

GenCore version 6.2.1
Copyright (c) 1993 - 2007 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: July 12, 2007, 01:54:17 ; Search time 74 Seconds
(without alignments)

38.174 Million cell updates/sec

Title: US-10-789-222a-2

Perfect score: 106

Sequence: 1 LCTKGVLLKGGKREKPF 20

Scoring table:

Gapop 10.0 , Gapext 0.5

Searched: 975083 seqs, 141243105 residues

Total number of hits satisfying chosen parameters: 975083

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 1000 summaries

Database :

- Issued Patents AA:*
- 1: /EMC_Celerra_SID33/prodata/1/iaa/5_COMB.pep.*
 - 2: /EMC_Celerra_SID33/prodata/1/iaa/6_COMB.pep.*
 - 3: /EMC_Celerra_SID33/prodata/1/iaa/7_COMB.pep.*
 - 4: /EMC_Celerra_SID33/prodata/1/iaa/H_COMB.pep.*
 - 5: /EMC_Celerra_SID33/prodata/1/iaa/PCUS_COMB.pep.*
 - 6: /EMC_Celerra_SID33/prodata/1/iaa/RE_COMB.pep.*
 - 7: /EMC_Celerra_SID33/prodata/1/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	106	100.0	260	3	US-10-273-180-2
2	106	100.0	298	3	US-10-273-180-4
3	106	100.0	309	3	US-10-273-180-6
4	106	100.0	312	3	US-10-273-180-8
5	106	100.0	478	2	US-08-740-223A-7
6	106	100.0	478	2	US-09-709-188-7
7	106	100.0	478	2	US-10-225-060-7
8	106	100.0	478	3	US-11-073-120-7
9	106	100.0	495	2	US-08-740-223A-26
10	106	100.0	495	2	US-09-709-188-26
11	106	100.0	495	2	US-10-225-060-26
12	106	100.0	495	3	US-11-073-120-26
13	106	100.0	497	2	US-08-740-223A-14
14	106	100.0	497	2	US-09-709-188-14
15	106	100.0	497	2	US-10-225-060-14
16	106	100.0	497	3	US-11-073-120-14
17	106	100.0	498	1	US-08-373-579-2
18	106	100.0	498	1	US-08-418-595-2
19	106	100.0	498	1	US-08-665-926-2
20	106	100.0	498	1	US-08-348-492-2
21	106	100.0	498	2	US-09-162-437-2
22	106	100.0	498	2	US-08-740-223A-2
23	106	100.0	498	2	US-08-740-223A-20
24	106	100.0	498	2	US-09-351-457-2
25	106	100.0	498	2	US-09-561-500-2
26	106	100.0	498	2	US-09-561-108-2

27	106	100.0	498	2	US-09-351-543-2	Sequence 2, Appli
28	106	100.0	498	2	US-09-561-526-2	Sequence 2, Appli
29	106	100.0	498	2	US-09-202-491-5	Sequence 5, Appli
30	106	100.0	498	2	US-09-202-491-6	Sequence 6, Appli
31	106	100.0	498	2	US-08-817-318-2	Sequence 2, Appli
32	106	100.0	498	2	US-09-709-188-2	Sequence 2, Appli
33	106	100.0	498	2	US-09-709-188-20	Sequence 20, Appli
34	106	100.0	498	2	US-09-561-499-2	Sequence 2, Appli
35	106	100.0	498	2	US-09-442-717-2	Sequence 2, Appli
36	106	100.0	498	2	US-09-689-020-2	Sequence 2, Appli
37	106	100.0	498	2	US-09-998-831-2	Sequence 2, Appli
38	106	100.0	498	2	US-09-561-005-2	Sequence 2, Appli
39	106	100.0	498	2	US-09-819-386-2	Sequence 2, Appli
40	106	100.0	498	2	US-09-351-598-2	Sequence 2, Appli
41	106	100.0	498	2	US-10-225-060-2	Sequence 2, Appli
42	106	100.0	498	2	US-10-225-060-20	Sequence 20, Appli
43	106	100.0	498	2	US-10-018-386-3	Sequence 3, Appli
44	106	100.0	498	2	US-10-215-224-5	Sequence 5, Appli
45	106	100.0	498	2	US-10-215-224-6	Sequence 6, Appli
46	106	100.0	498	2	US-10-214-812-5	Sequence 5, Appli
47	106	100.0	498	2	US-10-214-812-6	Sequence 6, Appli
48	106	100.0	498	2	US-09-562-245-2	Sequence 2, Appli
49	106	100.0	498	3	US-11-073-120-2	Sequence 2, Appli
50	106	100.0	498	3	US-11-073-120-20	Sequence 20, Appli
51	106	100.0	498	3	US-10-373-561-2	Sequence 2, Appli
52	106	100.0	498	3	US-10-179-615-2	Sequence 2, Appli
53	106	100.0	498	3	US-10-603-293-2	Sequence 2, Appli
54	106	100.0	498	3	US-09-351-149-2	Sequence 2, Appli
55	96	90.6	495	2	US-09-351-457-5	Sequence 5, Appli
56	96	90.6	495	2	US-09-561-500-5	Sequence 5, Appli
57	96	90.6	495	2	US-09-561-108-5	Sequence 5, Appli
58	96	90.6	495	2	US-09-351-543-5	Sequence 5, Appli
59	96	90.6	495	2	US-09-561-526-5	Sequence 5, Appli
60	96	90.6	495	2	US-09-561-499-5	Sequence 5, Appli
61	96	90.6	495	2	US-09-998-831-5	Sequence 5, Appli
62	96	90.6	495	2	US-09-561-005-5	Sequence 5, Appli
63	96	90.6	495	2	US-09-819-386-5	Sequence 5, Appli
64	96	90.6	495	2	US-09-351-598-5	Sequence 5, Appli
65	96	90.6	495	2	US-09-562-245-5	Sequence 5, Appli
66	96	90.6	495	3	US-10-373-561-5	Sequence 5, Appli
67	96	90.6	495	3	US-09-351-149-5	Sequence 5, Appli
68	90	84.9	491	2	US-08-740-223A-13	Sequence 13, Appli
69	90	84.9	491	2	US-09-709-188-13	Sequence 13, Appli
70	90	84.9	491	2	US-10-225-060-13	Sequence 13, Appli
71	90	84.9	491	3	US-11-073-120-13	Sequence 13, Appli
72	89.5	84.4	490	2	US-08-740-223A-12	Sequence 12, Appli
73	89.5	84.4	490	2	US-09-709-188-12	Sequence 12, Appli
74	89.5	84.4	490	2	US-10-225-060-12	Sequence 12, Appli
75	89.5	84.4	490	3	US-11-073-120-12	Sequence 12, Appli
76	89.5	84.4	497	2	US-08-740-223A-4	Sequence 4, Appli
77	89.5	84.4	497	2	US-09-709-188-4	Sequence 4, Appli
78	89.5	84.4	497	2	US-10-225-060-4	Sequence 4, Appli
79	89.5	84.4	497	3	US-11-073-120-4	Sequence 4, Appli
80	86.5	81.6	497	1	US-08-373-579-4	Sequence 4, Appli
81	86.5	81.6	497	1	US-08-418-595-4	Sequence 4, Appli
82	86.5	81.6	497	1	US-08-665-926-4	Sequence 4, Appli
83	86.5	81.6	497	1	US-08-348-492-4	Sequence 4, Appli
84	86.5	81.6	497	2	US-09-162-437-4	Sequence 4, Appli
85	86.5	81.6	497	2	US-08-817-318-4	Sequence 4, Appli
86	86.5	81.6	497	2	US-09-442-717-4	Sequence 4, Appli
87	86.5	81.6	497	2	US-09-689-020-4	Sequence 4, Appli
88	86.5	81.6	497	3	US-10-179-615-4	Sequence 4, Appli
89	86.5	81.6	497	3	US-10-603-293-4	Sequence 4, Appli
90	70.5	66.5	395	2	US-09-949-016-11110	Sequence 11110, A
91	49	46.2	453	3	US-09-201-228B-679	Sequence 679, App
92	49	46.2	688	2	US-09-438-185A-870	Sequence 870, App
93	49	46.2	719	2	US-09-134-000C-5427	Sequence 5427, Ap
94	47	44.3	79	3	US-09-237-981E-6	Sequence 6, Appli
95	47	44.3	161	1	US-08-162-402B-19	Sequence 19, Appli
96	46.5	43.9	591	2	US-09-976-594-576	Sequence 576, App
97	46.5	43.9	615	2	US-09-949-016-7695	Sequence 7695, Ap
98	46	43.4	151	3	US-10-703-032-165482	Sequence 165482,
99	46	43.4	921	2	US-09-439-711C-4	Sequence 4, Appli

100	46	43.4	922	2	US-09-116-473-4	Sequence 4, Appli	173	41	38.7	181	5	PCT-US95-02950-2	Sequence 2, Appli
101	46	43.4	923	2	US-08-936-135-6	Sequence 6, Appli	174	41	38.7	234	1	US-09-949-016-8797	Sequence 8797, Ap
102	46	43.4	923	2	US-09-439-711C-6	Sequence 6, Appli	175	41	38.7	243	2	US-08-439-725A-2	Sequence 8, Appli
103	45	42.5	168	1	US-08-951-822-22	Sequence 22, Appl	176	41	38.7	243	1	US-08-439-725A-8	Sequence 2, Appli
104	45	42.5	168	1	US-09-368-951-22	Sequence 22, Appl	177	41	38.7	243	1	US-08-867-471-2	Sequence 8, Appli
105	45	42.5	168	2	US-09-229-947-22	Sequence 22, Appl	178	41	38.7	243	1	US-08-867-471-8	Sequence 8, Appli
106	45	42.5	168	3	US-10-315-431-22	Sequence 22, Appl	179	41	38.7	243	1	US-08-438-439C-25	Sequence 25, Appl
107	45	42.5	262	3	US-10-703-032-130072	Sequence 130072,	180	41	38.7	243	1	US-08-951-822-21	Sequence 21, Appl
108	45	42.5	923	2	US-09-439-711C-2	Sequence 2, Appli	181	41	38.7	243	2	US-08-705-245-8	Sequence 8, Appli
109	45	42.5	923	2	US-09-583-638-2	Sequence 2, Appli	182	41	38.7	243	2	US-09-368-951-21	Sequence 21, Appl
110	44	41.5	172	2	US-09-328-352-6827	Sequence 6827, Ap	183	41	38.7	243	2	US-09-390-207-15	Sequence 15, Appl
111	44	41.5	249	2	US-08-311-731A-271	Sequence 271, App	184	41	38.7	243	2	US-09-229-947-21	Sequence 21, Appl
112	44	41.5	373	2	US-09-198-452A-934	Sequence 934, App	185	41	38.7	243	2	US-09-490-714-8	Sequence 8, Appli
113	44	41.5	373	3	US-10-289-762-934	Sequence 934, App	186	41	38.7	243	2	US-09-490-714-8	Sequence 8, Appli
114	44	41.5	798	3	US-09-540-209B-10034	Sequence 10034, A	187	41	38.7	243	2	US-09-949-016-11373	Sequence 11373, A
115	43	40.6	373	2	US-09-540-236-1942	Sequence 1942, Ap	188	41	38.7	243	3	PCT-US96-06664-2	Sequence 2, Appli
116	43	40.6	384	2	US-09-328-352-5673	Sequence 5673, Ap	189	41	38.7	266	3	US-10-703-032-115599	Sequence 115599,
117	43	40.6	415	2	US-09-006-353A-6	Sequence 6, Appli	190	41	38.7	498	2	US-09-252-991A-25746	Sequence 25746, A
118	43	40.6	415	2	US-09-573-986-6	Sequence 6, Appli	191	41	38.7	498	2	US-09-489-039A-13576	Sequence 13576, A
119	43	40.6	415	2	US-09-826-212A-6	Sequence 4, Appli	192	41	38.7	563	2	US-09-134-001C-4800	Sequence 4800, Ap
120	43	40.6	415	3	US-09-518-931-8	Sequence 8, Appli	193	41	38.7	563	3	US-09-450-969-5570	Sequence 5570, Ap
121	43	40.6	530	2	US-09-328-352-7333	Sequence 7333, Ap	194	41	38.7	563	3	US-10-724-972B-5570	Sequence 5570, Ap
122	43	40.6	1060	3	US-09-540-209B-10154	Sequence 10154, A	195	41	38.7	790	2	US-09-543-681A-5947	Sequence 5947, Ap
123	43	40.6	1788	1	US-08-962-284-2	Sequence 2, Appli	196	41	38.7	917	2	US-09-252-991A-17718	Sequence 17718, A
124	43	40.6	1792	1	US-08-962-284-4	Sequence 4, Appli	197	40.5	38.2	62	3	US-10-703-032-160751	Sequence 160751,
125	42.5	40.1	163	2	US-09-710-279-2598	Sequence 2598, Ap	198	40.5	38.2	116	3	US-10-703-032-178611	Sequence 178611,
126	42.5	40.1	168	2	US-09-248-796A-21473	Sequence 21473, A	199	40.5	38.2	142	3	US-10-703-032-117186	Sequence 117186,
127	42.5	40.1	1013	3	US-10-451-467A-546	Sequence 546, App	200	40.5	38.2	176	3	US-09-540-209B-10250	Sequence 10250, A
128	42	39.6	51	2	US-09-513-999C-6424	Sequence 6424, Ap	201	40.5	38.2	1004	2	US-09-155-558-29	Sequence 29, Appl
129	42	39.6	51	3	US-10-793-479-6424	Sequence 6424, Ap	202	40	37.7	59	2	US-09-513-999C-6309	Sequence 6309, Ap
130	42	39.6	58	3	US-10-703-032-173860	Sequence 173860,	203	40	37.7	59	3	US-10-793-479-6309	Sequence 6309, Ap
131	42	39.6	116	2	US-09-949-016-8957	Sequence 8957, Ap	204	40	37.7	127	2	US-08-705-771-12	Sequence 12, Appl
132	42	39.6	116	2	US-09-949-016-8958	Sequence 8958, Ap	205	40	37.7	127	2	US-09-417-540-12	Sequence 12, Appl
133	42	39.6	131	2	US-09-248-796A-15268	Sequence 15268, A	206	40	37.7	127	2	US-09-949-016-6313	Sequence 6313, Ap
134	42	39.6	138	3	US-10-077-584-2	Sequence 2, Appli	207	40	37.7	127	3	US-09-017-715A-2	Sequence 2, Appli
135	42	39.6	140	2	US-09-405-035-1	Sequence 1, Appli	208	40	37.7	127	3	US-10-267-849A-33	Sequence 33, Appl
136	42	39.6	140	2	US-09-405-035-2	Sequence 2, Appli	209	40	37.7	142	2	US-09-949-016-7786	Sequence 7786, Ap
137	42	39.6	140	2	US-09-405-035-3	Sequence 3, Appli	210	40	37.7	142	3	US-10-703-032-157347	Sequence 157347,
138	42	39.6	140	2	US-09-405-035-4	Sequence 4, Appli	211	40	37.7	164	3	US-10-703-032-159391	Sequence 159391,
139	42	39.6	140	2	US-09-904-987-4	Sequence 4, Appli	212	40	37.7	220	2	US-09-248-796A-17809	Sequence 17809, A
140	42	39.6	140	2	US-09-949-016-8929	Sequence 5929, Ap	213	40	37.7	228	3	US-10-703-032-135699	Sequence 135699,
141	42	39.6	140	5	PCT-US94-09789-2	Sequence 2, Appli	214	40	37.7	228	3	US-10-703-032-135703	Sequence 135703,
142	42	39.6	141	3	US-09-806-842-10	Sequence 10, Appl	215	40	37.7	228	3	US-10-703-032-135714	Sequence 135714,
143	42	39.6	145	3	US-09-949-016-8955	Sequence 8955, Ap	216	40	37.7	231	3	US-10-703-032-105966	Sequence 105966,
144	42	39.6	145	2	US-09-949-016-8956	Sequence 8956, Ap	217	40	37.7	232	2	US-09-553-498-6	Sequence 6, Appli
145	42	39.6	343	2	US-09-270-767-41701	Sequence 41701, A	218	40	37.7	232	2	US-09-618-869-6	Sequence 6, Appli
146	42	39.6	367	2	US-10-223-978-7	Sequence 7, Appli	219	40	37.7	233	3	US-10-703-032-107149	Sequence 107149,
147	42	39.6	367	3	US-10-713-851-7	Sequence 7, Appli	220	40	37.7	247	2	US-08-705-245-11	Sequence 11, Appl
148	42	39.6	370	2	US-09-489-039A-11795	Sequence 11795, A	221	40	37.7	247	2	US-09-390-207-26	Sequence 26, Appl
149	42	39.6	394	2	US-09-140-466-6	Sequence 6, Appli	222	40	37.7	247	2	US-09-490-714-11	Sequence 11, Appl
150	42	39.6	394	2	US-09-492-709A-247	Sequence 247, App	223	40	37.7	257	2	US-09-385-219A-40	Sequence 40, Appl
151	42	39.6	406	3	US-09-252-691C-6020	Sequence 6020, Ap	224	40	37.7	275	2	US-09-134-000C-4132	Sequence 4132, Ap
152	42	39.6	417	2	US-09-489-039A-10819	Sequence 10819, A	225	40	37.7	285	3	US-09-619-049-1284	Sequence 1284, Ap
153	42	39.6	426	3	US-09-489-039A-10819	Sequence 10819, A	226	40	37.7	407	2	US-09-252-991A-21346	Sequence 21346, A
154	42	39.6	592	2	US-10-104-047-3366	Sequence 3366, Ap	227	40	37.7	409	2	US-09-252-991A-31174	Sequence 31174, A
155	42	39.6	1088	2	US-09-130-242-2	Sequence 2, Appli	228	40	37.7	410	2	US-09-252-991A-31174	Sequence 31174, A
156	42	39.6	1088	2	US-09-583-610D-2	Sequence 2, Appli	229	40	37.7	429	2	US-09-107-532A-7193	Sequence 7193, Ap
157	42	39.6	1088	2	US-09-949-016-8935	Sequence 6395, Ap	230	40	37.7	546	2	US-09-396-154-34	Sequence 34, Appl
158	42	39.6	1091	2	US-09-949-016-8955	Sequence 8955, Ap	231	40	37.7	576	2	US-09-543-681A-7747	Sequence 7747, Ap
159	41.5	39.2	192	3	US-10-703-032-112732	Sequence 112732,	232	40	37.7	597	3	US-09-252-691C-9323	Sequence 9323, Ap
160	41	38.7	110	3	US-10-703-032-177939	Sequence 177939,	233	40	37.7	631	2	US-09-134-000C-6175	Sequence 6175, Ap
161	41	38.7	124	3	US-09-513-999C-6283	Sequence 6283, Ap	234	40	37.7	810	2	US-09-538-092-1275	Sequence 1275, Ap
162	41	38.7	124	3	US-10-793-479-6283	Sequence 6283, Ap	235	40	37.7	862	3	US-09-958-359-35	Sequence 35, Appl
163	41	38.7	139	3	US-09-901-938A-14	Sequence 14, Appl	236	40	37.7	1047	3	US-10-498-584-2	Sequence 2, Appli
164	41	38.7	141	3	US-10-049-429A-28	Sequence 28, Appl	237	40	37.7	1047	3	US-10-498-584-4	Sequence 4, Appli
165	41	38.7	181	1	US-08-464-590A-9	Sequence 9, Appli	238	40	37.7	1237	3	US-10-154-419-82	Sequence 82, Appl
166	41	38.7	181	1	US-08-462-169B-18	Sequence 18, Appl	239	40	37.7	1237	3	US-09-921-159-32	Sequence 32, Appl
167	41	38.7	181	1	US-08-207-412B-2	Sequence 2, Appli	240	39.5	37.3	485	3	US-10-666-642-196	Sequence 196, App
168	41	38.7	181	2	US-09-103-079-18	Sequence 18, Appl	241	39.5	37.3	506	3	US-09-252-691C-9666	Sequence 9666, Ap
169	41	38.7	181	2	US-09-093-585-9	Sequence 9, Appli	242	39.5	37.3	514	2	US-09-489-039A-10028	Sequence 10028, A
170	41	38.7	181	2	US-09-425-021-18	Sequence 18, Appl	243	39.5	37.3	627	3	US-10-703-032-108306	Sequence 108306,
171	41	38.7	181	2	US-09-564-829-12	Sequence 12, Appl	244	39	36.8	60	2	US-09-248-796A-23373	Sequence 23373, A
172	41	38.7	181	2	US-09-572-406B-3	Sequence 3, Appli	245	39	36.8	81	2	US-09-107-532A-6208	Sequence 6208, Ap

246	39	36.8	104	2	US-10-094-749-2979	Sequence 2379, Ap	319	39	36.8	255	1	US-08-464-590A-2	Sequence 19, Appli
247	39	36.8	120	3	US-10-703-032-150746	Sequence 150746, Ap	320	39	36.8	255	1	US-08-462-1698-19	Sequence 19, Appli
248	39	36.8	139	3	US-09-901-938A-16	Sequence 16, Appli	321	39	36.8	255	2	US-09-103-079-19	Sequence 19, Appli
249	39	36.8	141	3	US-10-049-429-29	Sequence 29, Appli	322	39	36.8	255	2	US-09-093-585-2	Sequence 19, Appli
250	39	36.8	144	2	US-09-270-767-31734	Sequence 31734, A	323	39	36.8	255	2	US-09-425-021-19	Sequence 13, Appli
251	39	36.8	180	3	US-09-252-691C-6318	Sequence 6318, Ap	324	39	36.8	255	2	US-09-564-829-13	Sequence 2, Appli
252	39	36.8	184	2	US-09-902-540-16159	Sequence 16159, A	325	39	36.8	255	2	US-09-572-4068-2	Sequence 57, Appli
253	39	36.8	197	1	US-08-686-878A-6	Sequence 6, Appli	326	39	36.8	265	1	US-08-177-109A-57	Sequence 57, Appli
254	39	36.8	203	3	US-10-703-032-135803	Sequence 135803, A	327	39	36.8	265	1	US-08-687-706-57	Sequence 57, Appli
255	39	36.8	210	3	US-09-248-796A-18912	Sequence 18912, A	328	39	36.8	294	2	US-09-252-991A-32328	Sequence 32328, A
256	39	36.8	243	2	US-08-705-245-1	Sequence 1, Appli	329	39	36.8	301	2	US-07-945-295-2	Sequence 11124, A
257	39	36.8	243	2	US-09-490-714-1	Sequence 1, Appli	330	39	36.8	351	2	US-09-945-295-2	Sequence 2, Appli
258	39	36.8	244	3	US-10-703-032-123690	Sequence 123690, A	331	39	36.8	351	3	US-09-540-2098-9694	Sequence 8694, Ap
259	39	36.8	245	1	US-08-438-439C-2	Sequence 2, Appli	332	39	36.8	351	5	PCT-US91-06418-1	Sequence 1, Appli
260	39	36.8	245	1	US-08-911-822-24	Sequence 24, Appli	333	39	36.8	381	2	US-09-252-991A-25148	Sequence 25148, A
261	39	36.8	245	2	US-08-705-245-2	Sequence 2, Appli	334	39	36.8	435	2	US-09-270-767-42150	Sequence 42150, A
262	39	36.8	245	2	US-08-705-245-9	Sequence 9, Appli	335	39	36.8	545	2	US-09-351-2248-3	Sequence 3, Appli
263	39	36.8	245	2	US-09-368-951-24	Sequence 24, Appli	336	39	36.8	545	2	US-09-677-488A-3	Sequence 3, Appli
264	39	36.8	245	2	US-09-390-207-25	Sequence 25, Appli	337	39	36.8	545	2	US-09-677-682B-3	Sequence 3, Appli
265	39	36.8	245	2	US-09-229-947-24	Sequence 24, Appli	338	39	36.8	545	2	US-09-882-694B-3	Sequence 3, Appli
266	39	36.8	245	2	US-09-490-714-2	Sequence 2, Appli	339	39	36.8	582	3	US-09-252-691C-8487	Sequence 8487, Ap
267	39	36.8	245	2	US-09-490-714-9	Sequence 9, Appli	340	39	36.8	593	2	US-09-543-681A-5368	Sequence 5368, Ap
268	39	36.8	245	2	US-09-931-181-495	Sequence 495, App	341	39	36.8	605	2	US-09-252-991A-32874	Sequence 32874, A
269	39	36.8	245	2	US-09-930-444-495	Sequence 495, App	342	39	36.8	611	2	US-10-101-464A-925	Sequence 925, App
270	39	36.8	245	2	US-09-937-333-495	Sequence 495, App	343	39	36.8	697	2	US-09-252-991A-32689	Sequence 32689, A
271	39	36.8	245	2	US-09-932-598-495	Sequence 495, App	344	39	36.8	702	2	US-09-917-254-94	Sequence 94, Appli
272	39	36.8	245	2	US-09-989-735-495	Sequence 495, App	345	39	36.8	764	1	US-08-177-109A-2	Sequence 2, Appli
273	39	36.8	245	3	US-09-989-726-495	Sequence 495, App	346	39	36.8	764	1	US-08-687-706-2	Sequence 2, Appli
274	39	36.8	245	3	US-09-937-514-495	Sequence 495, App	347	39	36.8	764	2	US-09-949-002-325	Sequence 325, App
275	39	36.8	245	3	US-09-989-728-495	Sequence 495, App	348	39	36.8	798	2	US-09-949-016-11021	Sequence 11021, A
276	39	36.8	245	3	US-09-937-349-495	Sequence 495, App	349	39	36.8	798	2	US-09-949-002-544	Sequence 544, App
277	39	36.8	245	3	US-09-937-653-495	Sequence 495, App	350	39	36.8	800	2	US-09-175-928-10	Sequence 10, Appli
278	39	36.8	245	3	US-09-989-293A-495	Sequence 495, App	351	39	36.8	847	3	US-09-540-2098-5879	Sequence 5879, Ap
279	39	36.8	245	3	US-09-989-732-495	Sequence 495, App	352	39	36.8	1110	1	US-08-118-441-29	Sequence 29, Appli
280	39	36.8	245	3	US-09-930-441-495	Sequence 495, App	353	39	36.8	1110	2	US-08-338-579A-29	Sequence 29, Appli
281	39	36.8	245	3	US-10-123-292-280	Sequence 292, App	354	39	36.8	1110	5	PCT-US94-09851-29	Sequence 29, Appli
282	39	36.8	245	3	US-09-989-328-495	Sequence 495, App	355	39	36.8	1886	2	US-08-938-105-3	Sequence 3, Appli
283	39	36.8	245	3	US-09-989-724-495	Sequence 495, App	356	39	36.8	1933	2	US-10-152-886-83	Sequence 83, Appli
284	39	36.8	245	3	US-09-989-733-495	Sequence 495, App	357	39	36.8	1935	2	US-09-538-092-916	Sequence 916, App
285	39	36.8	245	3	US-09-931-583-495	Sequence 495, App	358	39	36.8	1935	2	US-09-949-016-10970	Sequence 10970, A
286	39	36.8	245	3	US-10-152-398-280	Sequence 495, App	359	39	36.8	1939	2	US-09-310-187A-1	Sequence 1, Appli
287	39	36.8	245	3	US-09-989-279-495	Sequence 495, App	360	39	36.8	1939	2	US-09-538-092-917	Sequence 917, App
288	39	36.8	245	3	US-10-123-907-280	Sequence 280, App	361	39	36.8	1944	2	US-09-949-016-10929	Sequence 10929, A
289	39	36.8	245	3	US-10-147-512-280	Sequence 280, App	362	38.5	36.3	76	2	US-09-328-352-4331	Sequence 4331, Ap
290	39	36.8	245	3	US-10-147-485-280	Sequence 280, App	363	38.5	36.3	181	3	US-10-703-032-109313	Sequence 109313, A
291	39	36.8	245	3	US-09-931-157-495	Sequence 495, App	364	38.5	36.3	213	3	US-10-703-032-208662	Sequence 208662, A
292	39	36.8	245	3	US-10-144-814-280	Sequence 280, App	365	38.5	36.3	509	3	US-10-159-257C-158	Sequence 158, App
293	39	36.8	245	3	US-10-124-822-280	Sequence 280, App	366	38.5	36.3	610	1	US-08-363-470-3	Sequence 3, Appli
294	39	36.8	245	3	US-09-930-439-495	Sequence 495, App	367	38.5	36.3	610	2	US-09-209-668-19	Sequence 19, Appli
295	39	36.8	245	3	US-09-937-641-495	Sequence 495, App	368	38.5	36.3	610	2	US-09-009-490A-89	Sequence 89, Appli
296	39	36.8	245	3	US-09-937-384-495	Sequence 495, App	369	38.5	36.3	610	2	US-09-949-016-5942	Sequence 5942, Ap
297	39	36.8	245	3	US-10-315-431-24	Sequence 24, Appli	370	38.5	36.3	610	2	US-09-982-262C-90	Sequence 90, Appli
298	39	36.8	245	3	US-10-131-833A-280	Sequence 280, App	371	38.5	36.3	610	7	5217870-2	Patent No. 5217870
299	39	36.8	245	3	US-10-142-419-280	Sequence 280, App	372	38.5	36.3	647	2	US-09-949-016-10272	Sequence 10272, A
300	39	36.8	245	3	US-09-989-730-495	Sequence 495, App	373	38	35.8	80	2	US-09-252-991A-20007	Sequence 20007, A
301	39	36.8	245	3	US-10-152-375-280	Sequence 280, App	374	38	35.8	86	3	US-10-703-032-179769	Sequence 179769, A
302	39	36.8	245	3	US-09-937-585-495	Sequence 495, App	375	38	35.8	92	2	US-09-248-796A-22187	Sequence 22187, A
303	39	36.8	245	3	US-10-131-818A-280	Sequence 280, App	376	38	35.8	92	3	US-10-703-032-169134	Sequence 169134, A
304	39	36.8	245	3	US-10-145-873-280	Sequence 280, App	377	38	35.8	101	3	US-10-703-032-108290	Sequence 108290, A
305	39	36.8	245	3	US-10-152-395-280	Sequence 280, App	378	38	35.8	105	2	US-09-902-540-13396	Sequence 13396, A
306	39	36.8	245	3	US-10-131-822A-280	Sequence 280, App	379	38	35.8	106	2	US-09-107-532A-7131	Sequence 7131, Ap
307	39	36.8	245	3	US-10-142-763-280	Sequence 280, App	380	38	35.8	108	2	US-09-538-092-368	Sequence 368, App
308	39	36.8	245	3	US-10-128-694A-280	Sequence 280, App	381	38	35.8	119	3	US-10-703-032-177948	Sequence 177948, A
309	39	36.8	245	3	US-09-937-601-495	Sequence 495, App	382	38	35.8	129	2	US-09-063-743-3	Sequence 3, Appli
310	39	36.8	245	3	US-10-123-213-280	Sequence 280, App	383	38	35.8	132	2	US-09-590-540-3	Sequence 3, Appli
311	39	36.8	245	3	US-10-123-909-280	Sequence 280, App	384	38	35.8	139	2	US-09-134-001C-5049	Sequence 5049, Ap
312	39	36.8	245	3	US-10-131-826A-280	Sequence 280, App	385	38	35.8	132	3	US-09-450-969-6558	Sequence 6558, Ap
313	39	36.8	245	3	US-10-147-513-280	Sequence 280, App	386	38	35.8	132	3	US-10-724-972B-6558	Sequence 6558, Ap
314	39	36.8	245	3	US-10-121-043-280	Sequence 280, App	387	38	35.8	134	2	US-09-270-767-43790	Sequence 43790, A
315	39	36.8	245	5	PCT-US96-06665-2	Sequence 2, Appli	388	38	35.8	139	3	US-09-901-938A-15	Sequence 15, Appli
316	39	36.8	246	1	US-08-438-439C-11	Sequence 11, Appli	389	38	35.8	142	2	US-09-296-670-2	Sequence 2, Appli
317	39	36.8	254	2	US-10-101-464A-652	Sequence 652, App	390	38	35.8	142	3	US-10-049-429-30	Sequence 30, Appli
318	39	36.8	254	3	US-10-108-260A-2580	Sequence 2580, App	391	38	35.8	150	3	US-10-703-032-138858	Sequence 138858, A

392	38	35.8	151	3	US-10-703-032-123548	Sequence 123548,	465	38	35.8	252	2	US-09-425-021-23	Sequence 23, Appl
393	38	35.8	151	3	US-10-703-032-123549	Sequence 123549,	466	38	35.8	252	2	US-09-564-829-2	Sequence 23, Appl
394	38	35.8	170	2	US-09-328-352-6822	Sequence 6822, Ap	467	38	35.8	264	2	US-09-886-319A-67	Sequence 67, Appl
395	38	35.8	177	3	US-10-703-032-206908	Sequence 206908,	468	38	35.8	274	2	US-10-104-047-3108	Sequence 3108, Ap
396	38	35.8	179	3	US-10-108-260A-2774	Sequence 2774, Ap	469	38	35.8	287	3	US-09-252-691C-8465	Sequence 8465, Ap
397	38	35.8	206	3	US-10-703-032-187456	Sequence 187456,	470	38	35.8	302	2	US-10-211-689-58	Sequence 58, Appl
398	38	35.8	208	1	US-08-142-897-7	Sequence 7, Appl	471	38	35.8	322	2	US-09-902-540-12673	Sequence 12673, A
399	38	35.8	208	2	US-10-043-142-12	Sequence 12, Appl	472	38	35.8	334	2	US-10-094-749-3164	Sequence 3164, Ap
400	38	35.8	208	2	US-09-808-399-12	Sequence 12, Appl	473	38	35.8	360	2	US-09-252-991A-17551	Sequence 17551, A
401	38	35.8	208	2	US-09-538-092-994	Sequence 994, App	474	38	35.8	364	3	US-10-703-032-118527	Sequence 118527, A
402	38	35.8	208	3	US-09-720-469A-44	Sequence 44, Appl	475	38	35.8	393	3	US-09-248-796A-17475	Sequence 17475, A
403	38	35.8	216	2	US-09-635-959-1	Sequence 1, Appl	476	38	35.8	395	3	US-09-979-932A-699	Sequence 699, App
404	38	35.8	216	3	US-10-049-562-1	Sequence 1, Appl	477	38	35.8	418	3	US-10-703-032-132954	Sequence 132954, A
405	38	35.8	217	3	US-10-703-032-137477	Sequence 137477,	478	38	35.8	428	3	US-09-252-991A-27023	Sequence 27023, A
406	38	35.8	224	2	US-09-605-703B-1818	Sequence 1818, Ap	479	38	35.8	439	2	US-09-252-991A-17127	Sequence 17127, A
407	38	35.8	242	3	US-09-979-932A-705	Sequence 705, App	480	38	35.8	443	2	US-09-248-796A-16816	Sequence 16816, A
408	38	35.8	242	3	US-08-951-822-23	Sequence 23, Appl	481	38	35.8	446	2	US-09-134-000C-3908	Sequence 3908, Ap
409	38	35.8	247	1	US-09-368-951-23	Sequence 23, Appl	482	38	35.8	450	3	US-09-540-209B-8782	Sequence 8782, Ap
410	38	35.8	247	2	US-09-390-207-16	Sequence 16, Appl	483	38	35.8	467	3	US-10-703-032-116995	Sequence 116995, A
411	38	35.8	247	2	US-09-229-947-23	Sequence 23, Appl	484	38	35.8	501	3	US-09-252-691C-7711	Sequence 7711, Ap
412	38	35.8	247	2	US-09-949-016-9554	Sequence 9554, App	485	38	35.8	516	2	US-09-583-110-4311	Sequence 4311, Ap
413	38	35.8	247	2	US-09-991-181-499	Sequence 499, App	486	38	35.8	516	3	US-11-028-099A-4311	Sequence 4311, Ap
414	38	35.8	247	2	US-09-990-444-499	Sequence 499, App	487	38	35.8	516	3	US-11-028-291A-4311	Sequence 4311, Ap
415	38	35.8	247	2	US-09-997-333-499	Sequence 499, App	488	38	35.8	516	3	US-11-027-878A-4311	Sequence 4311, Ap
416	38	35.8	247	2	US-09-992-598-499	Sequence 499, App	489	38	35.8	516	3	US-11-027-399-4311	Sequence 4311, Ap
417	38	35.8	247	2	US-09-989-735-499	Sequence 499, App	490	38	35.8	516	3	US-11-027-877A-4311	Sequence 4311, Ap
418	38	35.8	247	3	US-09-989-726-499	Sequence 499, App	491	38	35.8	516	3	US-11-027-891A-4311	Sequence 4311, Ap
419	38	35.8	247	3	US-09-997-514-499	Sequence 499, App	492	38	35.8	516	3	US-11-028-457A-4311	Sequence 4311, Ap
420	38	35.8	247	3	US-09-989-728-499	Sequence 499, App	493	38	35.8	516	3	US-11-027-843A-4311	Sequence 4311, Ap
421	38	35.8	247	3	US-09-997-349-499	Sequence 499, App	494	38	35.8	516	3	US-11-027-802A-4311	Sequence 4311, Ap
422	38	35.8	247	3	US-09-997-653-499	Sequence 499, App	495	38	35.8	516	3	US-11-027-879A-4311	Sequence 4311, Ap
423	38	35.8	247	3	US-09-989-293A-499	Sequence 499, App	496	38	35.8	521	2	US-09-107-433-2785	Sequence 2785, Ap
424	38	35.8	247	3	US-09-989-732-499	Sequence 499, App	497	38	35.8	535	3	US-09-540-209B-5254	Sequence 5254, Ap
425	38	35.8	247	3	US-09-990-441-499	Sequence 499, App	498	38	35.8	548	2	US-09-252-991A-21629	Sequence 21629, A
426	38	35.8	247	3	US-10-123-292-284	Sequence 284, App	499	38	35.8	598	2	US-09-602-787A-582	Sequence 582, App
427	38	35.8	247	3	US-09-989-328-499	Sequence 499, App	500	38	35.8	662	1	US-08-261-304-7	Sequence 7, Appl
428	38	35.8	247	3	US-09-989-724-499	Sequence 499, App	501	38	35.8	704	2	US-09-487-558B-218	Sequence 218, App
429	38	35.8	247	3	US-09-989-733-499	Sequence 499, App	502	38	35.8	735	5	PCT-US93-00031-13	Sequence 13, Appl
430	38	35.8	247	3	US-09-993-583-499	Sequence 499, App	503	38	35.8	736	5	PCT-US93-00031-15	Sequence 15, Appl
431	38	35.8	247	3	US-10-152-398-284	Sequence 284, App	504	38	35.8	739	2	US-08-482-073-6	Sequence 6, Appl
432	38	35.8	247	3	US-09-989-279-499	Sequence 499, App	505	38	35.8	739	5	PCT-US93-00031-9	Sequence 9, Appl
433	38	35.8	247	3	US-10-123-907-284	Sequence 284, App	506	38	35.8	976	2	US-08-894-997-50	Sequence 50, Appl
434	38	35.8	247	3	US-10-147-512-284	Sequence 284, App	507	38	35.8	976	2	US-09-873-155A-50	Sequence 13, Appl
435	38	35.8	247	3	US-10-147-485-284	Sequence 284, App	508	38	35.8	1011	2	US-09-939-853A-13	Sequence 13, Appl
436	38	35.8	247	3	US-09-991-157-499	Sequence 499, App	509	38	35.8	1054	2	US-10-094-749-2576	Sequence 2576, Ap
437	38	35.8	247	3	US-10-124-814-284	Sequence 284, App	510	38	35.8	1066	2	US-09-939-853A-14	Sequence 14, Appl
438	38	35.8	247	3	US-10-124-822-284	Sequence 284, App	511	38	35.8	3460	2	US-09-334-220-1	Sequence 1, Appl
439	38	35.8	247	3	US-09-990-439-499	Sequence 499, App	512	37.5	35.4	70	2	US-09-732-210-1545	Sequence 1545, Ap
440	38	35.8	247	3	US-09-997-641-499	Sequence 499, App	513	37.5	35.4	75	2	US-09-543-681A-6432	Sequence 6432, Ap
441	38	35.8	247	3	US-09-997-384-499	Sequence 499, App	514	37.5	35.4	84	3	US-09-252-691C-9052	Sequence 9052, Ap
442	38	35.8	247	3	US-10-315-431-23	Sequence 23, Appl	515	37.5	35.4	99	3	US-10-087-684-108	Sequence 108, App
443	38	35.8	247	3	US-10-131-833A-284	Sequence 284, App	516	37.5	35.4	102	3	US-10-042-865-121	Sequence 121, App
444	38	35.8	247	3	US-10-142-419-284	Sequence 284, App	517	37.5	35.4	104	2	US-10-037-417-74	Sequence 74, Appl
445	38	35.8	247	3	US-09-997-585-499	Sequence 499, App	518	37.5	35.4	104	3	US-10-080-334-241	Sequence 241, App
446	38	35.8	247	3	US-10-152-375-284	Sequence 284, App	519	37.5	35.4	174	3	US-09-489-035A-9239	Sequence 9239, App
447	38	35.8	247	3	US-09-997-585-499	Sequence 499, App	520	37.5	35.4	182	3	US-10-703-032-15105	Sequence 15105, A
448	38	35.8	247	3	US-10-131-818A-284	Sequence 284, App	521	37.5	35.4	241	2	US-09-890-821-1	Sequence 1, Appl
449	38	35.8	247	3	US-10-145-873-284	Sequence 284, App	522	37.5	35.4	358	3	US-10-108-260A-3794	Sequence 3794, Ap
450	38	35.8	247	3	US-10-152-395-284	Sequence 284, App	523	37.5	35.4	377	2	US-09-540-209B-7839	Sequence 7839, Ap
451	38	35.8	247	3	US-10-142-822A-284	Sequence 284, App	524	37.5	35.4	404	2	US-09-712-363-257	Sequence 257, App
452	38	35.8	247	3	US-10-142-763-284	Sequence 284, App	525	37.5	35.4	426	1	US-08-476-008-63	Sequence 63, Appl
453	38	35.8	247	3	US-10-128-694A-284	Sequence 284, App	526	37.5	35.4	426	1	US-08-306-063-63	Sequence 63, Appl
454	38	35.8	247	3	US-09-997-601-499	Sequence 499, App	527	37.5	35.4	426	1	US-08-833-485-63	Sequence 63, Appl
455	38	35.8	247	3	US-10-123-213-284	Sequence 284, App	528	37.5	35.4	426	2	US-09-137-440-63	Sequence 63, Appl
456	38	35.8	247	3	US-10-123-909-284	Sequence 284, App	529	37.5	35.4	426	2	US-09-464-099A-63	Sequence 63, Appl
457	38	35.8	247	3	US-10-131-826A-284	Sequence 284, App	530	37.5	35.4	426	6	US-10-622-201-63	Sequence 63, Appl
458	38	35.8	247	3	US-10-147-513-284	Sequence 284, App	531	37.5	35.4	427	3	US-10-513-639-20	Sequence 20, Appl
459	38	35.8	247	3	US-10-121-043-284	Sequence 284, App	532	37.5	35.4	870	2	US-09-177-650-91	Sequence 91, Appl
460	38	35.8	252	1	US-08-462-169B-2	Sequence 2, Appl	533	37.5	35.4	870	3	US-10-096-578-91	Sequence 91, Appl
461	38	35.8	252	1	US-08-462-169B-23	Sequence 23, Appl	534	37.5	35.4	923	2	US-10-108-260A-3314	Sequence 3314, Ap
462	38	35.8	252	2	US-09-103-079-2	Sequence 2, Appl	535	37	34.9	54	2	US-09-621-976-4469	Sequence 4469, Ap
463	38	35.8	252	2	US-09-103-079-23	Sequence 23, Appl	536	37	34.9	56	2	US-09-513-999C-5660	Sequence 5660, Ap
464	38	35.8	252	2	US-09-425-021-2	Sequence 2, Appl	537	37	34.9	56	3	US-10-793-479-5660	Sequence 5660, Ap

538	37	34.9	63	3	US-10-703-032-196748	Sequence 196748, Ap	611	37	34.9	447	1	US-08-145-138A-1	Sequence 1, Appli
539	37	34.9	76	3	US-09-540-209B-7978	Sequence 7978, Ap	612	37	34.9	447	5	PCT-US92-06888-1	Sequence 1, Appli
540	37	34.9	80	3	US-10-703-032-160207	Sequence 160207, Ap	613	37	34.9	447	5	PCT-US93-03027-5	Sequence 5, Appli
541	37	34.9	92	2	US-10-703-032-180127	Sequence 180127, A	614	37	34.9	447	6	US-08-365-689-1	Sequence 1, Appli
542	37	34.9	92	2	US-09-248-796A-26270	Sequence 26270, A	615	37	34.9	451	3	US-09-201-228B-406	Sequence 406, App
543	37	34.9	93	3	US-10-703-032-156468	Sequence 156468, Ap	616	37	34.9	459	2	US-09-513-783A-170	Sequence 170, App
544	37	34.9	96	3	US-10-703-032-164543	Sequence 164543, Ap	617	37	34.9	459	2	US-10-100-957A-170	Sequence 170, App
545	37	34.9	103	3	US-10-703-032-207259	Sequence 207259, Ap	618	37	34.9	463	2	US-09-602-787A-630	Sequence 630, App
546	37	34.9	104	3	US-10-703-032-159726	Sequence 159726, Ap	619	37	34.9	465	2	US-09-270-767-43452	Sequence 43452, A
547	37	34.9	117	3	US-10-703-032-189375	Sequence 189375, Ap	620	37	34.9	476	2	US-09-675-018B-8	Sequence 8, Appli
548	37	34.9	130	3	US-10-703-032-183777	Sequence 183777, Ap	621	37	34.9	476	2	US-09-675-018B-10	Sequence 10, Appli
549	37	34.9	140	3	US-10-703-032-164958	Sequence 164958, Ap	622	37	34.9	476	2	US-10-428-041-8	Sequence 8, Appli
550	37	34.9	155	1	US-08-606-143-8	Sequence 8, Appli	623	37	34.9	476	2	US-10-428-041-10	Sequence 10, Appli
551	37	34.9	155	1	US-08-606-143-14	Sequence 14, Appli	624	37	34.9	482	3	US-10-170-789-30	Sequence 30, Appli
552	37	34.9	155	1	US-08-606-143-17	Sequence 17, Appli	625	37	34.9	485	3	US-10-840-275-11	Sequence 11, Appli
553	37	34.9	155	1	US-08-606-143-23	Sequence 23, Appli	626	37	34.9	489	3	US-10-703-032-130992	Sequence 130992, A
554	37	34.9	156	3	US-10-703-032-180866	Sequence 180866, Ap	627	37	34.9	529	2	US-09-385-219A-44	Sequence 44, Appli
555	37	34.9	158	3	US-09-540-209B-8509	Sequence 8509, Ap	628	37	34.9	529	2	US-09-949-016-6196	Sequence 6196, Ap
556	37	34.9	162	3	US-10-104-047-3144	Sequence 3144, Ap	629	37	34.9	529	2	US-10-768-158-10	Sequence 10, Appli
557	37	34.9	166	3	US-10-703-032-111330	Sequence 111330, Ap	630	37	34.9	537	2	US-09-949-016-7509	Sequence 7509, Ap
558	37	34.9	173	3	US-10-703-032-123380	Sequence 123380, Ap	631	37	34.9	538	2	US-09-949-016-8017	Sequence 8017, Ap
559	37	34.9	179	3	US-10-703-032-139139	Sequence 139139, Ap	632	37	34.9	542	3	US-09-252-691C-8459	Sequence 8459, Ap
560	37	34.9	180	3	US-10-703-032-209361	Sequence 209361, Ap	633	37	34.9	582	2	US-09-489-039A-12080	Sequence 12080, A
561	37	34.9	189	3	US-10-703-032-121564	Sequence 121564, Ap	634	37	34.9	648	2	US-09-107-532A-4660	Sequence 4660, Ap
562	37	34.9	192	3	US-10-703-032-123509	Sequence 123509, Ap	635	37	34.9	700	2	US-09-252-991A-28344	Sequence 28344, A
563	37	34.9	193	2	US-09-583-110-4821	Sequence 4821, Ap	636	37	34.9	705	2	US-09-252-991A-21897	Sequence 21897, A
564	37	34.9	193	3	US-11-028-099A-4821	Sequence 4821, Ap	637	37	34.9	719	3	US-10-703-032-119281	Sequence 119281, A
565	37	34.9	193	3	US-11-028-278A-4821	Sequence 4821, Ap	638	37	34.9	743	2	US-10-094-749-2991	Sequence 2991, Ap
566	37	34.9	193	3	US-11-027-878A-4821	Sequence 4821, Ap	639	37	34.9	850	2	US-09-489-039A-11009	Sequence 11009, A
567	37	34.9	193	3	US-11-027-399-4821	Sequence 4821, Ap	640	37	34.9	915	2	US-09-538-092-863	Sequence 863, App
568	37	34.9	193	3	US-11-027-877A-4821	Sequence 4821, Ap	641	37	34.9	916	2	US-09-949-016-6611	Sequence 6611, Ap
569	37	34.9	193	3	US-11-027-891A-4821	Sequence 4821, Ap	642	37	34.9	916	2	US-09-949-016-6611	Sequence 11417, A
570	37	34.9	193	3	US-11-028-457A-4821	Sequence 4821, Ap	643	37	34.9	1089	3	US-09-540-209B-6312	Sequence 6312, Ap
571	37	34.9	193	3	US-11-027-843A-4821	Sequence 4821, Ap	644	37	34.9	1114	3	US-10-069-799-1	Sequence 1, Appli
572	37	34.9	193	3	US-11-027-802A-4821	Sequence 4821, Ap	645	37	34.9	1145	3	US-10-195-144-11	Sequence 11, Appli
573	37	34.9	193	3	US-11-027-879A-4821	Sequence 4821, Ap	646	37	34.9	1151	3	US-09-921-159-33	Sequence 33, Appli
574	37	34.9	199	1	US-08-900-407-4	Sequence 4, Appli	647	37	34.9	1235	3	US-09-921-159-33	Sequence 2, Appli
575	37	34.9	200	3	US-10-703-032-105741	Sequence 105741, Ap	648	37	34.9	1493	2	US-09-538-092-1263	Sequence 1263, Ap
576	37	34.9	216	2	US-09-489-039A-7519	Sequence 7519, Ap	649	37	34.9	1506	2	US-10-142-650-4	Sequence 4, Appli
577	37	34.9	228	3	US-10-703-032-167621	Sequence 167621, Ap	650	37	34.9	1627	2	US-09-252-991A-28697	Sequence 28697, A
578	37	34.9	230	3	US-10-703-032-140998	Sequence 140998, Ap	651	37	34.9	1706	1	US-08-459-568-2	Sequence 2, Appli
579	37	34.9	240	2	US-09-949-016-10863	Sequence 10863, A	652	37	34.9	1706	1	US-08-399-411-2	Sequence 2, Appli
580	37	34.9	259	3	US-10-703-032-159171	Sequence 159171, Ap	653	37	34.9	1706	2	US-08-516-859A-2	Sequence 2, Appli
581	37	34.9	261	2	US-09-252-991A-33060	Sequence 33060, A	654	37	34.9	1706	2	US-09-586-472-2	Sequence 2, Appli
582	37	34.9	264	2	US-09-886-319A-68	Sequence 68, Appli	655	37	34.9	1706	2	US-09-528-706-2	Sequence 2, Appli
583	37	34.9	264	2	US-11-152-765-1	Sequence 1, Appli	656	37	34.9	1706	2	US-10-024-450-2	Sequence 2, Appli
584	37	34.9	266	2	US-09-949-016-10512	Sequence 10512, A	657	37	34.9	1706	2	US-10-142-650-3	Sequence 3, Appli
585	37	34.9	274	3	US-10-703-032-108243	Sequence 108243, Ap	658	37	34.9	1725	3	US-10-192-315-13	Sequence 13, Appli
586	37	34.9	281	3	US-10-494-675-92	Sequence 92, Appli	659	37	34.9	1937	2	US-09-538-092-918	Sequence 918, App
587	37	34.9	299	3	US-09-252-691C-10591	Sequence 10591, A	660	37	34.9	1938	2	US-09-949-016-6417	Sequence 6417, Ap
588	37	34.9	309	2	US-09-602-787A-294	Sequence 294, App	661	37	34.9	1939	2	US-09-538-092-915	Sequence 915, App
589	37	34.9	315	3	US-09-540-209B-5816	Sequence 5816, Ap	662	37	34.9	1939	2	US-09-949-016-6925	Sequence 6925, Ap
590	37	34.9	319	3	US-09-201-228B-903	Sequence 903, App	663	37	34.9	1939	2	US-09-949-016-11104	Sequence 11104, A
591	37	34.9	330	2	US-09-270-767-58806	Sequence 58806, A	664	37	34.9	1940	2	US-09-538-092-901	Sequence 901, App
592	37	34.9	339	2	US-09-602-787A-292	Sequence 292, App	665	37	34.9	1942	2	US-09-949-016-8135	Sequence 8135, Ap
593	37	34.9	344	2	US-09-107-532A-6886	Sequence 6886, Ap	666	37	34.9	1959	2	US-09-949-016-8134	Sequence 8134, Ap
594	37	34.9	355	3	US-10-703-032-113748	Sequence 113748, Ap	667	37	34.9	1963	2	US-09-949-016-8888	Sequence 8888, Ap
595	37	34.9	368	2	US-09-770-509-24	Sequence 24, Appli	668	37	34.9	3170	2	US-09-036-987A-4	Sequence 4, Appli
596	37	34.9	373	2	US-09-047-3087	Sequence 3087, Ap	669	37	34.9	3170	2	US-09-370-700-4	Sequence 4, Appli
597	37	34.9	377	2	US-09-420-211-2	Sequence 2, Appli	670	37	34.9	3170	2	US-09-603-207-4	Sequence 4, Appli
598	37	34.9	383	3	US-09-540-209B-7217	Sequence 7217, Ap	671	37	34.9	3170	3	US-10-329-148A-4	Sequence 4, Appli
599	37	34.9	393	3	US-10-703-032-120930	Sequence 120930, Ap	672	37	34.9	3461	2	US-09-334-220-2	Sequence 2, Appli
600	37	34.9	393	3	US-10-703-032-136697	Sequence 136697, Ap	673	37	34.9	3542	2	US-10-087-013-2	Sequence 2, Appli
601	37	34.9	394	1	US-08-867-030B-11	Sequence 11, Appli	674	37	34.9	4096	2	US-09-296-662-34	Sequence 34, Appli
602	37	34.9	394	5	PCT-US95-06119-11	Sequence 11, Appli	675	37	34.9	4096	3	US-09-462-962-7	Sequence 7, Appli
603	37	34.9	401	3	US-09-540-209B-6477	Sequence 6477, Ap	676	36.5	34.4	60	2	US-09-248-796A-25842	Sequence 25842, A
604	37	34.9	412	2	US-09-252-991A-18174	Sequence 18174, A	677	36.5	34.4	71	2	US-09-462-917A-121	Sequence 121, App
605	37	34.9	415	3	US-09-540-209B-5547	Sequence 5547, Ap	678	36.5	34.4	104	3	US-10-703-032-187046	Sequence 187046, A
606	37	34.9	420	2	US-09-248-796A-19811	Sequence 19811, A	679	36.5	34.4	172	3	US-10-703-032-168487	Sequence 168487, A
607	37	34.9	428	2	US-10-703-032-106053	Sequence 106053, Ap	680	36.5	34.4	189	3	US-10-703-032-123570	Sequence 123570, A
608	37	34.9	438	2	US-09-964-956-58	Sequence 58, Appli	681	36.5	34.4	207	2	US-10-703-032-168487	Sequence 168487, A
609	37	34.9	438	2	US-09-964-956-59	Sequence 59, Appli	682	36.5	34.4	241	2	US-09-270-767-35829	Sequence 35829, A
610	37	34.9	447	1	US-07-747-781-1	Sequence 1, Appli	683	36.5	34.4	241	2	US-09-270-767-35829	Sequence 51046, A

684	36.5	34.4	275	3	US-10-703-032-136555	Sequence 136555,	757	1	US-09-014-969-21	Sequence 21, Appl
685	36.5	34.4	407	2	US-10-169-048-30	Sequence 30, Appl	758	2	US-09-949-016-9132	Sequence 9132, Ap
686	36.5	34.4	453	3	US-10-703-032-106876	Sequence 106876,	759	3	US-10-703-032-131357	Sequence 131357, A
687	36.5	34.4	675	1	US-08-317-522A-9	Sequence 9, Appl	760	310	US-09-252-991A-31376	Sequence 31376, A
688	36.5	34.4	675	1	US-08-439-818A-9	Sequence 9, Appl	761	311	US-10-703-032-121125	Sequence 121125,
689	36.5	34.4	675	1	US-08-751-965-9	Sequence 9, Appl	762	312	US-09-266-965-137	Sequence 137, App
690	36.5	34.4	675	1	US-08-738-975-9	Sequence 9, Appl	763	313	US-09-252-991A-27785	Sequence 27785, A
691	36.5	34.4	675	1	US-08-728-626-9	Sequence 9, Appl	764	314	US-09-452-691C-9728	Sequence 9728, Ap
692	36.5	34.4	675	2	US-08-808-599A-9	Sequence 9, Appl	765	315	US-10-703-032-131361	Sequence 131361,
693	36.5	34.4	843	2	US-09-235-451-25	Sequence 25, Appl	766	316	US-10-703-032-120834	Sequence 120834,
694	36.5	34.4	843	2	US-09-978-303-25	Sequence 25, Appl	767	317	US-09-991-181-30	Sequence 30, Appl
695	36.5	34.4	843	3	US-10-915-017-25	Sequence 25, Appl	768	318	US-09-990-444-30	Sequence 30, Appl
696	36.5	34.4	890	2	US-09-342-648-10	Sequence 10, Appl	769	319	US-09-997-333-30	Sequence 30, Appl
697	36	34.0	60	2	US-09-621-976-6355	Sequence 6355, Ap	770	320	US-09-992-598-30	Sequence 30, Appl
698	36	34.0	60	2	US-09-248-796A-25966	Sequence 25966, A	771	321	US-09-989-735-30	Sequence 30, Appl
699	36	34.0	61	2	US-09-621-976-6315	Sequence 6315, Ap	772	322	US-09-989-732-30	Sequence 30, Appl
700	36	34.0	62	2	US-09-248-796A-23583	Sequence 23583, A	773	323	US-09-989-726-30	Sequence 30, Appl
701	36	34.0	69	3	US-10-703-032-171812	Sequence 171812,	774	324	US-09-997-514-30	Sequence 30, Appl
702	36	34.0	74	3	US-10-703-032-158413	Sequence 158413,	775	325	US-09-989-728-30	Sequence 30, Appl
703	36	34.0	75	3	US-10-703-032-149332	Sequence 149332,	776	326	US-09-997-349-30	Sequence 30, Appl
704	36	34.0	85	1	US-08-480-229C-6	Sequence 6, Appl	777	327	US-09-997-653-30	Sequence 30, Appl
705	36	34.0	85	1	US-08-659-235C-6	Sequence 6, Appl	778	328	US-09-989-293A-30	Sequence 30, Appl
706	36	34.0	85	3	US-10-703-032-166756	Sequence 166756,	779	329	US-09-989-732-30	Sequence 30, Appl
707	36	34.0	96	2	US-09-513-999C-4709	Sequence 4709, Ap	780	330	US-09-989-724-30	Sequence 30, Appl
708	36	34.0	96	3	US-10-793-479-4709	Sequence 4709, Ap	781	331	US-09-989-733-30	Sequence 30, Appl
709	36	34.0	106	3	US-10-703-032-169365	Sequence 169365,	782	332	US-09-991-157-30	Sequence 30, Appl
710	36	34.0	108	2	US-09-513-999C-4877	Sequence 4877, Ap	783	333	US-09-990-439-30	Sequence 30, Appl
711	36	34.0	108	3	US-10-793-479-4877	Sequence 4877, Ap	784	334	US-09-997-641-30	Sequence 30, Appl
712	36	34.0	111	2	US-09-513-999C-5355	Sequence 5355, Ap	785	335	US-10-183-001-404	Sequence 404, App
713	36	34.0	111	3	US-10-793-479-5355	Sequence 5355, Ap	786	336	US-10-180-998-404	Sequence 404, App
714	36	34.0	113	3	US-10-703-032-184145	Sequence 184145,	787	337	US-10-201-769-404	Sequence 404, App
715	36	34.0	115	3	US-10-703-032-127941	Sequence 127941,	788	338	US-09-991-157-30	Sequence 30, Appl
716	36	34.0	116	3	US-10-703-032-120572	Sequence 120572,	789	339	US-09-990-439-30	Sequence 30, Appl
717	36	34.0	119	3	US-10-108-260A-4218	Sequence 4218, Ap	790	340	US-09-997-585-30	Sequence 30, Appl
718	36	34.0	124	3	US-10-703-032-185420	Sequence 185420,	791	341	US-09-997-384-30	Sequence 30, Appl
719	36	34.0	129	3	US-10-703-032-196418	Sequence 196418,	792	342	US-10-174-576-404	Sequence 404, App
720	36	34.0	130	3	US-10-703-032-167712	Sequence 167712,	793	343	US-10-174-581-404	Sequence 404, App
721	36	34.0	135	3	US-10-703-032-159365	Sequence 159365,	794	344	US-09-989-730-30	Sequence 30, Appl
722	36	34.0	141	3	US-10-703-032-201535	Sequence 201535,	795	345	US-09-997-601-30	Sequence 30, Appl
723	36	34.0	146	3	US-10-703-032-160147	Sequence 160147,	796	346	US-09-997-601-30	Sequence 30, Appl
724	36	34.0	146	3	US-10-703-032-209303	Sequence 209303,	797	347	US-10-207-916-404	Sequence 404, App
725	36	34.0	148	2	US-09-248-796A-15233	Sequence 15233, A	798	348	US-10-174-583-404	Sequence 404, App
726	36	34.0	154	3	US-10-703-032-111905	Sequence 111905,	799	349	US-09-538-092-1316	Sequence 1316, Ap
727	36	34.0	163	3	US-10-703-032-115974	Sequence 115974,	800	350	US-10-094-749-3108	Sequence 3108, Ap
728	36	34.0	167	3	US-10-703-032-123418	Sequence 123418,	801	351	US-09-489-039A-13009	Sequence 13009, A
729	36	34.0	168	3	US-10-703-032-134248	Sequence 134248,	802	352	US-09-902-540-13676	Sequence 13676, A
730	36	34.0	174	2	US-09-252-991A-29084	Sequence 29084, A	803	353	US-09-538-092-1082	Sequence 1082, Ap
731	36	34.0	175	2	US-10-703-032-182294	Sequence 182294,	804	354	US-09-949-016-6369	Sequence 6369, Ap
732	36	34.0	182	2	US-09-902-540-16748	Sequence 16748, A	805	355	US-09-949-016-10070	Sequence 10070, A
733	36	34.0	186	3	US-10-703-032-132699	Sequence 132699,	806	356	US-10-494-541-26	Sequence 26, Appl
734	36	34.0	186	3	US-10-703-032-115406	Sequence 115406,	807	357	US-09-583-110-3408	Sequence 3408, Ap
735	36	34.0	191	2	US-09-134-000C-5299	Sequence 5299, Ap	808	358	US-11-028-099A-3408	Sequence 3408, Ap
736	36	34.0	196	1	US-08-900-407-1	Sequence 1, Appl	809	359	US-11-028-291A-3408	Sequence 3408, Ap
737	36	34.0	199	3	US-10-703-032-134023	Sequence 134023,	810	360	US-11-027-878A-3408	Sequence 3408, Ap
738	36	34.0	202	2	US-09-107-433-4846	Sequence 4846, Ap	811	361	US-11-027-877A-3408	Sequence 3408, Ap
739	36	34.0	204	3	US-10-703-032-118215	Sequence 118215,	812	362	US-11-027-891A-3408	Sequence 3408, Ap
740	36	34.0	207	3	US-10-703-032-175330	Sequence 175330,	813	363	US-11-028-457A-3408	Sequence 3408, Ap
741	36	34.0	209	2	US-09-445-774-23	Sequence 23, Appl	814	364	US-11-027-843A-3408	Sequence 3408, Ap
742	36	34.0	212	2	US-10-192-353-3	Sequence 3, Appl	815	365	US-11-027-802A-3408	Sequence 3408, Ap
743	36	34.0	217	3	US-10-703-032-131354	Sequence 131354,	816	366	US-11-027-879A-3408	Sequence 3408, Ap
744	36	34.0	222	2	US-09-107-532A-4879	Sequence 4879, Ap	817	367	US-09-149-476-474	Sequence 474, Appl
745	36	34.0	226	3	US-10-703-032-117877	Sequence 117877,	818	368	US-09-254-776B-52	Sequence 52, Appl
746	36	34.0	232	3	US-10-703-032-178743	Sequence 178743,	819	369	US-09-252-691C-6008	Sequence 6008, Ap
747	36	34.0	247	2	US-08-705-245-4	Sequence 4, Appl	820	370	US-10-225-066A-592	Sequence 592, App
748	36	34.0	247	2	US-09-490-714-4	Sequence 4, Appl	821	371	US-09-252-991A-17475	Sequence 17475, A
749	36	34.0	248	2	US-10-193-353-4	Sequence 4, Appl	822	372	US-10-183-687-425	Sequence 425, App
750	36	34.0	248	2	US-10-094-749-2054	Sequence 2054, Ap	823	373	US-09-543-681A-5294	Sequence 5294, Ap
751	36	34.0	250	3	US-10-703-032-126228	Sequence 126228,	824	374	US-09-540-209B-8526	Sequence 8526, Ap
752	36	34.0	251	3	US-10-703-032-123681	Sequence 123681,	825	375	US-09-724-915-12	Sequence 12, Appl
753	36	34.0	271	3	US-10-302-267B-106	Sequence 106, App	826	376	US-10-168-067C-5	Sequence 5, Appl
754	36	34.0	271	3	US-10-225-066A-154	Sequence 154, App	827	377	US-10-703-032-107096	Sequence 107096,
755	36	34.0	276	3	US-09-201-228B-419	Sequence 419, App	828	378	US-09-724-915-8	Sequence 8, Appl
756	36	34.0	278	2	US-09-270-767-43654	Sequence 43654, A	829	379		

830	36	34.0	462	2	US-09-949-016-7921	Sequence 7921, Ap	903	35.5	33.5	151	2	US-09-134-000C-6479	Sequence 6479, Ap
831	36	34.0	462	2	US-09-900-448-4	Sequence 4, Appli	904	35.5	33.5	165	2	US-09-949-016-10684	Sequence 10684, A
832	36	34.0	462	3	US-10-954-103-4	Sequence 4, Appli	905	35.5	33.5	168	2	US-09-732-210-164	Sequence 164, App
833	36	34.0	482	3	US-10-703-032-113677	Sequence 113677,	906	35.5	33.5	188	3	US-10-703-032-110708	Sequence 110708,
834	36	34.0	495	2	US-09-538-032-224	Sequence 224, App	907	35.5	33.5	205	3	US-09-134-001C-3047	Sequence 3047, Ap
835	36	34.0	500	2	US-09-976-594-419	Sequence 419, App	908	35.5	33.5	205	3	US-09-450-969-5881	Sequence 5881, Ap
836	36	34.0	510	3	US-10-108-260A-2513	Sequence 2513, Ap	909	35.5	33.5	205	3	US-10-724-972B-5881	Sequence 5881, Ap
837	36	34.0	516	3	US-09-540-209B-5889	Sequence 5889, Ap	910	35.5	33.5	216	3	US-09-252-691C-7847	Sequence 7847, Ap
838	36	34.0	517	2	US-09-949-016-6170	Sequence 6170, Ap	911	35.5	33.5	292	2	US-09-716-964B-158	Sequence 158, App
839	36	34.0	520	2	US-09-949-016-7728	Sequence 7728, Ap	912	35.5	33.5	310	2	US-09-489-039A-12597	Sequence 12597, A
840	36	34.0	528	3	US-10-703-032-123947	Sequence 123947,	913	35.5	33.5	391	2	US-09-248-796A-16378	Sequence 16378, A
841	36	34.0	529	3	US-09-543-681A-6733	Sequence 6733, Ap	914	35.5	33.5	393	2	US-09-331-924-8	Sequence 8, Appli
842	36	34.0	536	2	US-09-328-352-4594	Sequence 4594, Ap	915	35.5	33.5	393	2	US-10-147-951B-8	Sequence 8, Appli
843	36	34.0	548	2	US-09-270-767-45137	Sequence 45137, A	916	35.5	33.5	420	2	US-09-843-905A-8	Sequence 4, Appli
844	36	34.0	558	2	US-09-902-540-10900	Sequence 10900, A	917	35.5	33.5	420	3	US-10-041-030-4	Sequence 8, Appli
845	36	34.0	661	2	US-09-714-865-7	Sequence 7, Appli	918	35.5	33.5	420	3	US-10-258-703-8	Sequence 8, Appli
846	36	34.0	666	3	US-10-168-067C-33	Sequence 33, Appl	919	35.5	33.5	481	3	US-10-225-067A-64	Sequence 64, Appl
847	36	34.0	667	3	US-10-703-032-138592	Sequence 138592,	920	35.5	33.5	481	3	US-10-225-066A-180	Sequence 180, App
848	36	34.0	667	2	US-09-107-532A-3749	Sequence 3749, Ap	921	35.5	33.5	491	3	US-10-664-506A-17	Sequence 17, Appl
849	36	34.0	667	3	US-10-703-032-119423	Sequence 119423,	922	35.5	33.5	492	2	US-09-634-955B-13	Sequence 13, Appl
850	36	34.0	677	2	US-09-425-335-3	Sequence 3, Appli	923	35.5	33.5	492	2	US-09-717-926-4	Sequence 4, Appli
851	36	34.0	693	2	US-09-949-016-7243	Sequence 7243, Ap	924	35.5	33.5	492	3	US-10-391-364-28	Sequence 28, Appl
852	36	34.0	698	2	US-09-489-847-200	Sequence 200, App	925	35.5	33.5	493	2	US-09-438-185A-12	Sequence 12, Appl
853	36	34.0	700	2	US-09-107-532A-5094	Sequence 5094, Ap	926	35.5	33.5	587	2	US-09-248-796A-18762	Sequence 18762, A
854	36	34.0	729	1	US-08-417-276-2	Sequence 2, Appli	927	35.5	33.5	574	2	US-09-489-039A-9158	Sequence 9158, Ap
855	36	34.0	733	2	US-09-107-532A-5427	Sequence 5427, Ap	928	35.5	33.5	797	2	US-09-585-858-30	Sequence 30, Appl
856	36	34.0	755	2	US-09-252-991A-28386	Sequence 28386, A	929	35.5	33.5	797	2	US-10-270-878-30	Sequence 20, Appl
857	36	34.0	767	3	US-10-703-032-128654	Sequence 128654,	930	35.5	33.5	810	2	US-09-198-452A-20	Sequence 20, Appl
858	36	34.0	782	2	US-09-949-016-11571	Sequence 11571, A	931	35.5	33.5	810	2	US-09-198-452A-1128	Sequence 1128, Ap
859	36	34.0	806	2	US-08-999-774A-6	Sequence 6, Appli	932	35.5	33.5	810	3	US-10-289-762-20	Sequence 20, Appl
860	36	34.0	806	2	US-09-949-016-6786	Sequence 6786, Ap	933	35.5	33.5	810	3	US-10-289-762-1128	Sequence 1128, Ap
861	36	34.0	855	2	US-09-248-796A-18667	Sequence 18667, A	934	35.5	33.5	819	2	US-09-438-185A-1055	Sequence 1055, Ap
862	36	34.0	942	2	US-09-254-776B-51	Sequence 51, Appl	935	35.5	33.0	20	3	US-10-280-066A-102	Sequence 102, App
863	36	34.0	1127	2	US-09-902-540-11084	Sequence 11084, A	936	35.5	33.0	20	3	US-10-272-437B-38	Sequence 38, Appl
864	36	34.0	1164	3	US-10-168-067C-2	Sequence 2, Appli	937	35.5	33.0	31	2	US-09-790-497A-107	Sequence 107, App
865	36	34.0	1164	3	US-10-168-067C-15	Sequence 15, Appl	938	35.5	33.0	31	2	US-08-146-028-104	Sequence 104, App
866	36	34.0	1166	3	US-10-168-067C-17	Sequence 17, Appl	939	35.5	33.0	33	2	US-08-723-425A-104	Sequence 104, App
867	36	34.0	1190	3	US-10-168-067C-1	Sequence 1, Appli	940	35.5	33.0	33	2	US-09-112-206-104	Sequence 104, App
868	36	34.0	1192	3	US-10-168-067C-15	Sequence 15, Appl	941	35.5	33.0	33	2	US-09-576-824A-107	Sequence 107, App
869	36	34.0	1197	2	US-08-836-567-12	Sequence 12, Appl	942	35.5	33.0	33	2	US-09-680-497-104	Sequence 104, App
870	36	34.0	1197	2	US-09-606-304-12	Sequence 12, Appl	943	35.5	33.0	48	3	US-10-703-032-180404	Sequence 180404,
871	36	34.0	1542	2	US-09-949-016-8215	Sequence 9215, Ap	944	35.5	33.0	55	5	US-10-703-032-150356	Sequence 150356,
872	36	34.0	2235	2	US-09-032-438C-6	Sequence 6, Appli	945	35.5	33.0	55	2	US-09-621-976-7092	Sequence 7092, Ap
873	36	34.0	2235	3	US-10-340-097B-6	Sequence 6, Appli	946	35.5	33.0	66	2	US-09-107-532A-6907	Sequence 6907, Ap
874	36	34.0	2235	3	US-10-336-215A-6	Sequence 6, Appli	947	35.5	33.0	67	3	US-09-252-691C-10659	Sequence 10659, A
875	36	34.0	2235	3	US-10-336-219A-6	Sequence 6, Appli	948	35.5	33.0	70	3	US-10-703-032-170651	Sequence 170651, A
876	36	34.0	2273	2	US-09-032-438C-3	Sequence 3, Appli	949	35.5	33.0	72	2	US-09-248-796A-23736	Sequence 23736, A
877	36	34.0	2273	3	US-10-340-097B-3	Sequence 3, Appli	950	35.5	33.0	74	2	US-09-248-796A-23827	Sequence 23827, A
878	36	34.0	2273	3	US-10-336-215A-3	Sequence 3, Appli	951	35.5	33.0	74	3	US-10-703-032-178013	Sequence 178013,
879	36	34.0	2273	3	US-10-336-219A-3	Sequence 3, Appli	952	35.5	33.0	77	3	US-10-703-032-143185	Sequence 143185,
880	36	34.0	2616	7	5206163-3	Patent No. 5206163	953	35.5	33.0	83	2	US-09-949-016-7197	Sequence 7197, Ap
881	36	34.0	2627	1	US-08-751-189-3	Sequence 3, Appli	954	35.5	33.0	85	3	US-09-734-329B-16	Sequence 16, Appl
882	36	34.0	2627	1	US-09-060-836-3	Sequence 3, Appli	955	35.5	33.0	88	2	US-09-640-211A-1026	Sequence 1026, Ap
883	36	34.0	2627	2	US-09-184-445-3	Sequence 3, Appli	956	35.5	33.0	89	3	US-10-703-032-199727	Sequence 199727,
884	36	34.0	2629	1	US-08-751-189-4	Sequence 4, Appli	957	35.5	33.0	91	3	US-09-935-290A-13	Sequence 13, Appl
885	36	34.0	2629	1	US-09-060-836-4	Sequence 4, Appli	958	35.5	33.0	97	3	US-10-703-032-161314	Sequence 161314,
886	36	34.0	2629	2	US-09-184-445-4	Sequence 4, Appli	959	35.5	33.0	102	3	US-10-703-032-187853	Sequence 187853,
887	36	34.0	3835	3	US-10-009-011-2	Sequence 2, Appli	960	35.5	33.0	103	3	US-09-201-228B-1176	Sequence 1176, Ap
888	35.5	33.5	71	2	US-09-732-210-108	Sequence 108, App	961	35.5	33.0	105	3	US-10-703-032-171531	Sequence 171531,
889	35.5	33.5	127	3	US-10-108-260A-4434	Sequence 4434, Ap	962	35.5	33.0	106	3	US-10-703-032-174879	Sequence 174879,
890	35.5	33.5	128	1	US-08-157-005-9	Sequence 9, Appli	963	35.5	33.0	110	3	US-10-703-032-121827	Sequence 121827,
891	35.5	33.5	128	1	US-08-799-464A-26	Sequence 26, Appl	964	35.5	33.0	113	3	US-10-108-260A-4105	Sequence 4105, Ap
892	35.5	33.5	128	2	US-08-747-863-9	Sequence 9, Appli	965	35.5	33.0	118	3	US-10-703-032-160585	Sequence 160585,
893	35.5	33.5	128	2	US-09-565-864-9	Sequence 9, Appli	966	35.5	33.0	124	2	US-10-703-032-178899	Sequence 178899,
894	35.5	33.5	128	2	US-09-331-924-1	Sequence 1, Appli	967	35.5	33.0	126	2	US-09-732-210-1706	Sequence 1706, Ap
895	35.5	33.5	128	2	US-10-147-951B-1	Sequence 1, Appli	968	35.5	33.0	133	3	US-10-703-032-157849	Sequence 157849,
896	35.5	33.5	128	2	US-08-301-435-26	Sequence 26, Appl	969	35.5	33.0	137	3	US-10-703-032-185632	Sequence 185632,
897	35.5	33.5	128	2	US-10-226-065-9	Sequence 9, Appli	970	35.5	33.0	138	3	US-10-703-032-205899	Sequence 205899,
898	35.5	33.5	128	3	US-10-203-224-10	Sequence 10, Appl	971	35.5	33.0	140	2	US-09-489-039A-8311	Sequence 8311, Ap
899	35.5	33.5	128	3	US-09-810-501-26	Sequence 26, Appl	972	35.5	33.0	142	3	US-10-108-260A-3783	Sequence 3783, Ap
900	35.5	33.5	128	5	PCT-US95-09927-26	Sequence 26, Appl	973	35.5	33.0	143	3	US-10-703-032-114610	Sequence 114610,
901	35.5	33.5	128	5	PCT-US95-10904-26	Sequence 26, Appl	974	35.5	33.0	145	3	US-10-703-032-137257	Sequence 137257,
902	35.5	33.5	135	2	US-09-252-991A-17432	Sequence 17432, A	975	35.5	33.0	145	3	US-10-703-032-187883	Sequence 187883,

976 35 33.0 145 3 US-10-703-032-192954
977 35 33.0 147 2 US-09-818-780-26
978 35 33.0 147 2 US-09-716-964B-130
979 35 33.0 151 2 US-09-902-540-13672
980 35 33.0 154 3 US-10-703-032-140888
981 35 33.0 155 3 US-10-703-032-151985
982 35 33.0 159 2 US-09-543-681A-7618
983 35 33.0 165 2 US-09-107-433-4075
984 35 33.0 165 2 US-09-107-433-4076
985 35 33.0 165 2 US-09-107-433-4077
986 35 33.0 168 3 US-10-703-032-114319
987 35 33.0 168 3 US-10-703-032-125404
988 35 33.0 168 3 US-10-703-032-168349
989 35 33.0 174 3 US-10-703-032-126078
990 35 33.0 181 3 US-10-703-032-119946
991 35 33.0 190 3 US-10-703-032-122638
992 35 33.0 191 3 US-10-703-032-181354
993 35 33.0 192 3 US-09-252-691C-7788
994 35 33.0 197 2 US-09-107-532A-4890
995 35 33.0 199 2 US-09-248-796A-27769
996 35 33.0 201 1 US-08-377-309-5
997 35 33.0 201 2 US-09-186-723-5
998 35 33.0 201 2 US-08-505-012-8
999 35 33.0 201 2 US-09-186-949A-6
1000 35 33.0 201 2 US-08-758-757-5

ALIGNMENTS

RESULT 1
US-10-273-180-2
; Sequence 2, Application US/10273180
; Patent No. 7081443
; GENERAL INFORMATION:
; APPLICANT: KOH, Gou Young
; TITLE OF INVENTION: CHIMERIC COILED COIL MOLECULES
; FILE REFERENCE: 10010-00001
; CURRENT APPLICATION NUMBER: US/10/273,180
; CURRENT FILING DATE: 2002-10-18
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 260
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-273-180-2

Query Match 100.0%; Score 106; DB 3; Length 260;
Best Local Similarity 100.0%; Pred. No. 2.7e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LCTKEGVLKGGKREKKPF 20
DB 27 LCTKEGVLKGGKREKKPF 46

RESULT 2
US-10-273-180-4
; Sequence 4, Application US/10273180
; Patent No. 7081443
; GENERAL INFORMATION:
; APPLICANT: KOH, Gou Young
; TITLE OF INVENTION: CHIMERIC COILED COIL MOLECULES
; FILE REFERENCE: 10010-00001
; CURRENT APPLICATION NUMBER: US/10/273,180
; CURRENT FILING DATE: 2002-10-18
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 298
; TYPE: PRT
; ORGANISM: Homo sapiens

US-10-273-180-4
Query Match 100.0%; Score 106; DB 3; Length 298;
Best Local Similarity 100.0%; Pred. No. 3.2e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LCTKEGVLKGGKREKKPF 20
DB 64 LCTKEGVLKGGKREKKPF 83

RESULT 3
US-10-273-180-6
; Sequence 6, Application US/10273180
; Patent No. 7081443
; GENERAL INFORMATION:
; APPLICANT: KOH, Gou Young
; TITLE OF INVENTION: CHIMERIC COILED COIL MOLECULES
; FILE REFERENCE: 10010-00001
; CURRENT APPLICATION NUMBER: US/10/273,180
; CURRENT FILING DATE: 2002-10-18
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 309
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-273-180-6

Query Match 100.0%; Score 106; DB 3; Length 309;
Best Local Similarity 100.0%; Pred. No. 3.3e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LCTKEGVLKGGKREKKPF 20
DB 75 LCTKEGVLKGGKREKKPF 94

RESULT 4
US-10-273-180-8
; Sequence 8, Application US/10273180
; Patent No. 7081443
; GENERAL INFORMATION:
; APPLICANT: KOH, Gou Young
; TITLE OF INVENTION: CHIMERIC COILED COIL MOLECULES
; FILE REFERENCE: 10010-00001
; CURRENT APPLICATION NUMBER: US/10/273,180
; CURRENT FILING DATE: 2002-10-18
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
; LENGTH: 312
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-273-180-8

Query Match 100.0%; Score 106; DB 3; Length 312;
Best Local Similarity 100.0%; Pred. No. 3.4e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LCTKEGVLKGGKREKKPF 20
DB 78 LCTKEGVLKGGKREKKPF 97

RESULT 5
US-08-740-223A-7
; Sequence 7, Application US/08740223A
; Patent No. 6265564
; GENERAL INFORMATION:
; APPLICANT: Davis, et al.
; TITLE OF INVENTION: Expressed Ligand - Vascular
; TITLE OF INVENTION: Intercellular Signalling Molecule


```

; Patent No. 7045302
; GENERAL INFORMATION:
; APPLICANT: Davis, Samuel
; APPLICANT: Yancopoulos, George D.
; TITLE OF INVENTION: Expressed Ligand - Vascular
; TITLE OF INVENTION: Intercellular Signaling Molecule
; FILE REFERENCE: REG 333X
; CURRENT APPLICATION NUMBER: US/11/073,120
; CURRENT FILING DATE: 2005-03-04
; PRIOR APPLICATION NUMBER: 10/225,060
; PRIOR FILING DATE: 2002-08-21
; PRIOR APPLICATION NUMBER: 09/709,188
; PRIOR FILING DATE: 2000-11-09
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 478
; TYPE: PRT
; ORGANISM: Homo sapien
US-11-073-120-7

Query Match 100.0%; Score 106; DB 3; Length 478;
Best Local Similarity 100.0%; Pred. No. 5.5e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LCTKEGVLLKGGKREEKPFF 20
|||
Db 244 LCTKEGVLLKGGKREEKPFF 263
|||

RESULT 9
US-08-740-223A-26
Sequence 26, Application US/08740223A

```

Patent No. 6265564
; GENERAL INFORMATION:
; APPLICANT: Davis, et al.
; TITLE OF INVENTION: Expressed Ligand - Vascular
; TITLE OF INVENTION: Intercellular Signalling Molecule
; NUMBER OF SEQUENCES: 28
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Regeneron Pharmaceuticals, Inc.
; STREET: 777 Old Saw Mill Road
; CITY: Tarrytown
; STATE: NY
; COUNTRY: USA
; ZIP: 10591
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/740,223A
; FILING DATE: 25-OCT-1996
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: USSN 60/022/999
; FILING DATE: 02-AUG-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Cobert, Robert J
; REGISTRATION NUMBER: 36,108
; REFERENCE/DOCKET NUMBER: REG 333
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 914-345-7400
; TELEFAX: 914-345-7721
; INFORMATION FOR SEQ ID NO: 26:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 495 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FRAGMENT TYPE: internal
; FEATURE:
; NAME/KEY: 2N1C1F (chimera 4)
; LOCATION: 1...495
; OTHER INFORMATION:
US-08-740-223A-26

Query Match 100.0%; Score 106; DB 2; Length 495;
Best Local Similarity 100.0%; Pred. No. 5.7e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LCTKEGVLLKGGKREBEKPF 20
DB 261 LCTKEGVLLKGGKREBEKPF 280

RESULT 10

US-09-709-188-26
; Sequence 26, Application US/09709188
; Patent No. 6441137
; GENERAL INFORMATION:
; APPLICANT: Davis et al.
; TITLE OF INVENTION: Expressed Ligand - Vascular Intercellular Signaling Molecule
; FILE REFERENCE: REG 333-Z
; CURRENT APPLICATION NUMBER: US/09/709,188
; CURRENT FILING DATE: 2000-11-09
; PRIOR APPLICATION NUMBER: 08/740,223
; PRIOR FILING DATE: 1996-10-25
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 26
; LENGTH: 495
; TYPE: PRT
; ORGANISM: Artificial Sequence

; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Chimeric
; OTHER INFORMATION: 2N1C1F (chimera 4)
US-09-709-188-26

Query Match 100.0%; Score 106; DB 2; Length 495;
Best Local Similarity 100.0%; Pred. No. 5.7e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LCTKEGVLLKGGKREBEKPF 20
DB 261 LCTKEGVLLKGGKREBEKPF 280

RESULT 11

US-10-225-060-26
; Sequence 26, Application US/10225060
; Patent No. 6825008
; GENERAL INFORMATION:
; APPLICANT: Davis et al.
; TITLE OF INVENTION: Expressed Ligand - Vascular Intercellular Signaling
; TITLE OF INVENTION: Molecule
; FILE REFERENCE: REG 333-Z
; CURRENT APPLICATION NUMBER: US/10/225,060
; CURRENT FILING DATE: 2002-08-21
; PRIOR APPLICATION NUMBER: US/09/709,188
; PRIOR FILING DATE: 2000-11-09
; PRIOR APPLICATION NUMBER: 08/740,223
; PRIOR FILING DATE: 1996-10-25
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 26
; LENGTH: 495
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Chimeric
; FEATURE:
; OTHER INFORMATION: 2N1C1F (chimera 4)
US-10-225-060-26

Query Match 100.0%; Score 106; DB 2; Length 495;
Best Local Similarity 100.0%; Pred. No. 5.7e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LCTKEGVLLKGGKREBEKPF 20
DB 261 LCTKEGVLLKGGKREBEKPF 280

RESULT 12

US-11-073-120-26
; Sequence 26, Application US/11073120
; Patent No. 7045302
; GENERAL INFORMATION:
; APPLICANT: Davis, Samuel
; APPLICANT: Vancopoulos, George D.
; TITLE OF INVENTION: Expressed Ligand - Vascular
; TITLE OF INVENTION: Intercellular Signaling Molecule
; FILE REFERENCE: REG 333X
; CURRENT APPLICATION NUMBER: US/11/073,120
; CURRENT FILING DATE: 2005-03-04
; PRIOR APPLICATION NUMBER: 10/225,060
; PRIOR FILING DATE: 2002-08-21
; PRIOR APPLICATION NUMBER: 09/709,188
; PRIOR FILING DATE: 2000-11-09
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 26
; LENGTH: 495
; TYPE: PRT
; ORGANISM: Homo sapien
US-11-073-120-26

RESULT 14
US-09-709-188-14
; Sequence 14, Application US/09709188
; Patent No. 6441137
; GENERAL INFORMATION:
; APPLICANT: Davis et al.

```
; SEQ ID NO 14
; LENGTH: 497
; TYPE: PRT
; ORGANISM: Homo sapien
US-11-073-120-14

Query Match          100.0%; Score 106; DB 3; Length 497;
Best Local Similarity 100.0%; Pred. No. 5.7e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LCTKEGVLLKGGKREKPF 20
    |||||
Db 263 LCTKEGVLLKGGKREKPF 282

RESULT 17
US-08-373-579-2
; Sequence 2, Application US/08373579
; Patent No. 5650490
; GENERAL INFORMATION:
; APPLICANT: Davis, et al.
; TITLE OF INVENTION: TIE-2 LIGAND, METHOD OF MAKING AND USES
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Regeneron Pharmaceuticals, Inc.
; STREET: 777 Old Saw Mill River Road
; CITY: Tarrytown
; STATE: New York
; COUNTRY: USA
; ZIP: 10591
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/373,579
; FILING DATE: 17-JAN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/373,579
; FILING DATE: 17-JAN-1995
; APPLICATION NUMBER: US 08/353,503
; FILING DATE: 09-DEC-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/348,492
; FILING DATE: 02-DEC-1994
; APPLICATION NUMBER: US 08/319,932
; FILING DATE: 07-OCT-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Cobert, Robert J.
; REGISTRATION NUMBER: 36,108
; REFERENCE/DOCKET NUMBER: REG 330-D
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (914) 345-7400
; TELEFAX: (914) 345-7721
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 498 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-373-579-2

Query Match          100.0%; Score 106; DB 1; Length 498;
Best Local Similarity 100.0%; Pred. No. 5.7e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LCTKEGVLLKGGKREKPF 20
    |||||
Db 264 LCTKEGVLLKGGKREKPF 283

RESULT 19
US-08-665-926-2
; Sequence 2, Application US/08665926
; Patent No. 5851797
; GENERAL INFORMATION:
; APPLICANT: Valenzuela et al.
; TITLE OF INVENTION: TIE LIGAND-3, METHODS OF MAKING AND USES
```

;; TITLE OF INVENTION: THEREOF
;; NUMBER OF SEQUENCES: 8
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Regeneron Pharmaceuticals, Inc.
;; STREET: 777 Old Saw Mill River Road
;; CITY: Tarrytown
;; STATE: New York
;; COUNTRY: U.S.A.
;; ZIP: 10591-6707
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.30
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/665,926
;; FILING DATE: 19-JUN-1996
;; CLASSIFICATION: 435
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Robert J. Cobert
;; REGISTRATION NUMBER: 36,108
;; REFERENCE/DOCKET NUMBER: REG 330-H
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (914) 345-7400
;; TELEFAX: (914) 345-2113
;; INFORMATION FOR SEQ ID NO: 2:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 498 amino acids
;; TYPE: amino acid
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
;; US-08-665-926-2
Query Match 100.0%; Score 106; DB 1; Length 498;
Best Local Similarity 100.0%; Pred. No. 5.7e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 LCTKEGVLKGGKREERKPF 20
Db 264 LCTKEGVLKGGKREERKPF 283
RESULT 20
US-08-348-492-2
; Sequence 2, Application US/08348492
; Patent No. 5879672
; GENERAL INFORMATION:
; APPLICANT: Davis, et al.
; TITLE OF INVENTION: TIE-2 LIGAND, METHOD OF MAKING AND USES
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Regeneron Pharmaceuticals, Inc.
; STREET: 777 Old Saw Mill River Road
; CITY: Tarrytown
; STATE: New York
; COUNTRY: USA
; ZIP: 10591
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/348,492
; FILING DATE: 02-DEC-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/330,261
; FILING DATE: 27-OCT-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Cobert, Robert J.
; REGISTRATION NUMBER: 36,108
; REFERENCE/DOCKET NUMBER: REG 330-D
; TELECOMMUNICATION INFORMATION:
; APPLICATION NUMBER: US 08/319,932
; FILING DATE: 07-OCT-1994

;; ATTORNEY/AGENT INFORMATION:
;; NAME: Kempler, Gail M.
;; REGISTRATION NUMBER: 32,143
;; REFERENCE/DOCKET NUMBER: REG 330B
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (914) 347-7000
;; TELEFAX: (914) 347-2113
;; INFORMATION FOR SEQ ID NO: 2:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 498 amino acids
;; TYPE: amino acid
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
;; US-08-348-492-2
Query Match 100.0%; Score 106; DB 1; Length 498;
Best Local Similarity 100.0%; Pred. No. 5.7e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 LCTKEGVLKGGKREERKPF 20
Db 264 LCTKEGVLKGGKREERKPF 283
RESULT 21
US-09-162-437-2
; Sequence 2, Application US/09162437
; Patent No. 6166185
; GENERAL INFORMATION:
; APPLICANT: Davis, et al.
; TITLE OF INVENTION: TIE-2 LIGAND, METHOD OF MAKING AND USES
; TITLE OF INVENTION: THEREOF
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Regeneron Pharmaceuticals, Inc.
; STREET: 777 Old Saw Mill River Road
; CITY: Tarrytown
; STATE: New York
; COUNTRY: USA
; ZIP: 10591
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/162,437
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/418,595
; FILING DATE: 06-APR-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/373,579
; FILING DATE: 17-JAN-1995
; APPLICATION NUMBER: US 08/353,503
; FILING DATE: 09-DEC-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/348,492
; FILING DATE: 02-DEC-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/330,261
; FILING DATE: 27-OCT-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/319,932
; FILING DATE: 07-OCT-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Cobert, Robert J.
; REGISTRATION NUMBER: 36,108
; REFERENCE/DOCKET NUMBER: REG 330-D
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (914) 345-7400
; TELEFAX: (914) 345-7721

INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 498 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-162-437-2

Query Match 100.0%; Score 106; DB 2; Length 498;
Best Local Similarity 100.0%; Pred. No. 5.7e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 LCTKEGVLLKGGKREERKPF 20
Db 264 LCTKEGVLLKGGKREERKPF 283

RESULT 22
US-08-740-223A-2
Sequence 2, Application US/08740223A
Patent No. 6265564
GENERAL INFORMATION:
APPLICANT: Davis, et al.
TITLE OF INVENTION: Expressed Ligand - Vascular
NUMBER OF SEQUENCES: 28
CORRESPONDENCE ADDRESS:
ADDRESSEE: Regeneron Pharmaceuticals, Inc.
STREET: 777 Old Saw Mill Road
CITY: Tarrytown
STATE: NY
COUNTRY: USA
ZIP: 10591
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/740,223A
FILING DATE: 25-OCT-1996
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 60/022/999
FILING DATE: 02-AUG-1996
ATTORNEY/AGENT INFORMATION:
NAME: Cobert, Robert J
REGISTRATION NUMBER: 36,108
REFERENCE/DOCKET NUMBER: REG 333
TELECOMMUNICATION INFORMATION:
TELEPHONE: 914-345-7400
TELEFAX: 914-345-7721

INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 498 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FRAGMENT TYPE: internal
FEATURE:
NAME/KEY: Human TIE-2 ligand 1
LOCATION: 1...498
OTHER INFORMATION: from clone gt10 encoding htie-2
OTHER INFORMATION: ligand 1
US-08-740-223A-2

Query Match 100.0%; Score 106; DB 2; Length 498;
Best Local Similarity 100.0%; Pred. No. 5.7e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 LCTKEGVLLKGGKREERKPF 20
Db 264 LCTKEGVLLKGGKREERKPF 283

Db 264 LCTKEGVLLKGGKREERKPF 283
RESULT 23
US-08-740-223A-20
Sequence 20, Application US/08740223A
Patent No. 6265564
GENERAL INFORMATION:
APPLICANT: Davis, et al.
TITLE OF INVENTION: Expressed Ligand - Vascular
NUMBER OF SEQUENCES: 28
CORRESPONDENCE ADDRESS:
ADDRESSEE: Regeneron Pharmaceuticals, Inc.
STREET: 777 Old Saw Mill Road
CITY: Tarrytown
STATE: NY
COUNTRY: USA
ZIP: 10591
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/740,223A
FILING DATE: 25-OCT-1996
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 60/022/999
FILING DATE: 02-AUG-1996
ATTORNEY/AGENT INFORMATION:
NAME: Cobert, Robert J
REGISTRATION NUMBER: 36,108
REFERENCE/DOCKET NUMBER: REG 333
TELECOMMUNICATION INFORMATION:
TELEPHONE: 914-345-7400
TELEFAX: 914-345-7721

INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 498 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FRAGMENT TYPE: internal
FEATURE:
NAME/KEY: INIC2F (chimera 1)
LOCATION: 1...498
OTHER INFORMATION:
US-08-740-223A-20

Query Match 100.0%; Score 106; DB 2; Length 498;
Best Local Similarity 100.0%; Pred. No. 5.7e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 LCTKEGVLLKGGKREERKPF 20
Db 264 LCTKEGVLLKGGKREERKPF 283

RESULT 24
US-09-351-457-2
Sequence 2, Application US/09351457
Patent No. 6312694
GENERAL INFORMATION:
APPLICANT: THORPE, PHILIP E.
APPLICANT: RAN, SOPHIA
TITLE OF INVENTION: CANCER TREATMENT METHODS USING THERAPEUTIC CONJUGATES
NUMBER OF SEQUENCES: 28
CORRESPONDENCE ADDRESS:
ADDRESSEE: Regeneron Pharmaceuticals, Inc.
STREET: 777 Old Saw Mill Road
CITY: Tarrytown
STATE: NY
COUNTRY: USA
ZIP: 10591
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/351,457
FILING DATE: 25-OCT-1996
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 60/022/999
FILING DATE: 02-AUG-1996
ATTORNEY/AGENT INFORMATION:
NAME: Cobert, Robert J
REGISTRATION NUMBER: 36,108
REFERENCE/DOCKET NUMBER: REG 333
TELECOMMUNICATION INFORMATION:
TELEPHONE: 914-345-7400
TELEFAX: 914-345-7721

INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 498 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FRAGMENT TYPE: internal
FEATURE:
NAME/KEY: INIC2F (chimera 1)
LOCATION: 1...498
OTHER INFORMATION:
US-08-740-223A-20

Query Match 100.0%; Score 106; DB 2; Length 498;
Best Local Similarity 100.0%; Pred. No. 5.7e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 LCTKEGVLLKGGKREERKPF 20
Db 264 LCTKEGVLLKGGKREERKPF 283

RESULT 24
US-09-351-457-2
Sequence 2, Application US/09351457
Patent No. 6312694
GENERAL INFORMATION:
APPLICANT: THORPE, PHILIP E.
APPLICANT: RAN, SOPHIA
TITLE OF INVENTION: CANCER TREATMENT METHODS USING THERAPEUTIC CONJUGATES
NUMBER OF SEQUENCES: 28
CORRESPONDENCE ADDRESS:
ADDRESSEE: Regeneron Pharmaceuticals, Inc.
STREET: 777 Old Saw Mill Road
CITY: Tarrytown
STATE: NY
COUNTRY: USA
ZIP: 10591
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/351,457
FILING DATE: 25-OCT-1996
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 60/022/999
FILING DATE: 02-AUG-1996
ATTORNEY/AGENT INFORMATION:
NAME: Cobert, Robert J
REGISTRATION NUMBER: 36,108
REFERENCE/DOCKET NUMBER: REG 333
TELECOMMUNICATION INFORMATION:
TELEPHONE: 914-345-7400
TELEFAX: 914-345-7721

Query Match 100.0%; Score 106; DB 2; Length 498;
Best Local Similarity 100.0%; Pred. No. 5.7e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 LCTKEGVLLKGGKREERKPF 20
Db 264 LCTKEGVLLKGGKREERKPF 283


```
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 498
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-351-457-2

Query Match      100.0%; Score 106; DB 2; Length 498;
Best Local Similarity 100.0%; Pred. No. 5.7e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LCTKEGVLKGGKREERKPF 20
Db 264 LCTKEGVLKGGKREERKPF 283

RESULT 25
US-09-561-500-2
; Sequence 2, Application US/09561500
; Patent No. 6342219
; GENERAL INFORMATION:
; APPLICANT: Philip E. Thorpe
; APPLICANT: Rolf A. Brekken
; TITLE OF INVENTION: ANTIBODY COMPOSITIONS FOR SELECTIVELY INHIBITING VEGF
; FILE REFERENCE: 4001.002500
; CURRENT APPLICATION NUMBER: US/09/561,500
; CURRENT FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 60/131,432
; PRIOR FILING DATE: 1999-04-28
; NUMBER OF SEQ ID NOS: 44
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 498
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-561-500-2

Query Match      100.0%; Score 106; DB 2; Length 498;
Best Local Similarity 100.0%; Pred. No. 5.7e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LCTKEGVLKGGKREERKPF 20
Db 264 LCTKEGVLKGGKREERKPF 283

RESULT 26
US-09-561-108-2
; Sequence 2, Application US/09561108
; Patent No. 6342221
; GENERAL INFORMATION:
; APPLICANT: Philip E. Thorpe
; APPLICANT: Rolf A. Brekken
; TITLE OF INVENTION: ANTIBODY CONJUGATE COMPOSITIONS FOR SELECTIVELY INHIBITING VEGF
; FILE REFERENCE: 4001.002584
; CURRENT APPLICATION NUMBER: US/09/561,108
; CURRENT FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 60/131,432
; PRIOR FILING DATE: 1999-04-28
; NUMBER OF SEQ ID NOS: 44
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 498
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-561-108-2

Query Match      100.0%; Score 106; DB 2; Length 498;
Best Local Similarity 100.0%; Pred. No. 5.7e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LCTKEGVLKGGKREERKPF 20
Db 264 LCTKEGVLKGGKREERKPF 283

RESULT 27
US-09-351-543-2
; Sequence 2, Application US/09351543
; Patent No. 6406693
; GENERAL INFORMATION:
; APPLICANT: THORPE, PHILIP E.
; APPLICANT: RAN, SOPHIA
; TITLE OF INVENTION: CANCER TREATMENT METHODS USING ANTIBODIES TO
; FILE REFERENCE: 4001.002200
; CURRENT APPLICATION NUMBER: US/09/351,543
; CURRENT FILING DATE: 1999-07-12
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 498
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-351-543-2

Query Match      100.0%; Score 106; DB 2; Length 498;
Best Local Similarity 100.0%; Pred. No. 5.7e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LCTKEGVLKGGKREERKPF 20
Db 264 LCTKEGVLKGGKREERKPF 283

RESULT 28
US-09-561-526-2
; Sequence 2, Application US/09561526
; Patent No. 6416758
; GENERAL INFORMATION:
; APPLICANT: Philip E. Thorpe
; APPLICANT: Rolf A. Brekken
; TITLE OF INVENTION: ANTIBODY CONJUGATE KITS FOR SELECTIVELY INHIBITING VEGF
; FILE REFERENCE: 4001.002586
; CURRENT APPLICATION NUMBER: US/09/561,526
; CURRENT FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 60/131,432
; PRIOR FILING DATE: 1999-04-28
; NUMBER OF SEQ ID NOS: 44
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 498
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-561-526-2

Query Match      100.0%; Score 106; DB 2; Length 498;
Best Local Similarity 100.0%; Pred. No. 5.7e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LCTKEGVLKGGKREERKPF 20
Db 264 LCTKEGVLKGGKREERKPF 283

RESULT 29
US-09-202-491-5
; Sequence 5, Application US/09202491
; Patent No. 6432667
; GENERAL INFORMATION:
; APPLICANT: Valenzuela et al.
; TITLE OF INVENTION: NOVEL LIGANDS, METHODS OF MAKING AND USES THEREOF
; FILE REFERENCE: REG330-K
; CURRENT APPLICATION NUMBER: US/09/202,491
; CURRENT FILING DATE: 1998-11-16
```

```
Db 264 LCTKEGVLKGGKREERKPF 283

RESULT 27
US-09-351-543-2
; Sequence 2, Application US/09351543
; Patent No. 6406693
; GENERAL INFORMATION:
; APPLICANT: THORPE, PHILIP E.
; APPLICANT: RAN, SOPHIA
; TITLE OF INVENTION: CANCER TREATMENT METHODS USING ANTIBODIES TO
; FILE REFERENCE: 4001.002200
; CURRENT APPLICATION NUMBER: US/09/351,543
; CURRENT FILING DATE: 1999-07-12
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 498
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-351-543-2

Query Match      100.0%; Score 106; DB 2; Length 498;
Best Local Similarity 100.0%; Pred. No. 5.7e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LCTKEGVLKGGKREERKPF 20
Db 264 LCTKEGVLKGGKREERKPF 283

RESULT 28
US-09-561-526-2
; Sequence 2, Application US/09561526
; Patent No. 6416758
; GENERAL INFORMATION:
; APPLICANT: Philip E. Thorpe
; APPLICANT: Rolf A. Brekken
; TITLE OF INVENTION: ANTIBODY CONJUGATE KITS FOR SELECTIVELY INHIBITING VEGF
; FILE REFERENCE: 4001.002586
; CURRENT APPLICATION NUMBER: US/09/561,526
; CURRENT FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 60/131,432
; PRIOR FILING DATE: 1999-04-28
; NUMBER OF SEQ ID NOS: 44
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 498
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-561-526-2

Query Match      100.0%; Score 106; DB 2; Length 498;
Best Local Similarity 100.0%; Pred. No. 5.7e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LCTKEGVLKGGKREERKPF 20
Db 264 LCTKEGVLKGGKREERKPF 283

RESULT 29
US-09-202-491-5
; Sequence 5, Application US/09202491
; Patent No. 6432667
; GENERAL INFORMATION:
; APPLICANT: Valenzuela et al.
; TITLE OF INVENTION: NOVEL LIGANDS, METHODS OF MAKING AND USES THEREOF
; FILE REFERENCE: REG330-K
; CURRENT APPLICATION NUMBER: US/09/202,491
; CURRENT FILING DATE: 1998-11-16
```

; EARLIER APPLICATION NUMBER: PCT/US97/10728
; EARLIER FILING DATE: 1997-06-19
; EARLIER APPLICATION NUMBER: 60/022,999
; EARLIER FILING DATE: 1996-08-02
; EARLIER APPLICATION NUMBER: 60/021,087
; EARLIER FILING DATE: 1996-07-02
; EARLIER APPLICATION NUMBER: 08/665,926
; EARLIER FILING DATE: 1996-06-19
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 498
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-202-491-5

Query Match 100.0%; Score 106; DB 2; Length 498;
Best Local Similarity 100.0%; Pred. No. 5.7e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LCTKEGVLLKGGKREKPF 20
|||
Db 264 LCTKEGVLLKGGKREKPF 283

RESULT 30
US-09-202-491-6

; Sequence 6, Application US/09202491
; Patent No. 6432667

; GENERAL INFORMATION:

; APPLICANT: Valenzuela et al.

; TITLE OF INVENTION: NOVEL LIGANDS, METHODS OF MAKING AND USES THEREOF

; FILE REFERENCE: REG330-K

; CURRENT APPLICATION NUMBER: US/09/202,491

; CURRENT FILING DATE: 1998-11-16

; EARLIER APPLICATION NUMBER: PCT/US97/10728

; EARLIER FILING DATE: 1997-06-19

; EARLIER APPLICATION NUMBER: 60/022,999

; EARLIER FILING DATE: 1996-08-02

; EARLIER APPLICATION NUMBER: 60/021,087

; EARLIER FILING DATE: 1996-07-02

; EARLIER APPLICATION NUMBER: 08/665,926

; EARLIER FILING DATE: 1996-06-19

; NUMBER OF SEQ ID NOS: 14

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 6

; LENGTH: 498

; TYPE: PRT

; ORGANISM: Mus musculus

US-09-202-491-6

Query Match 100.0%; Score 106; DB 2; Length 498;
Best Local Similarity 100.0%; Pred. No. 5.7e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LCTKEGVLLKGGKREKPF 20
|||
Db 264 LCTKEGVLLKGGKREKPF 283

RESULT 31

US-08-817-318-2

; Sequence 2, Application US/08817318

; Patent No. 6433143

; GENERAL INFORMATION:

; APPLICANT: Davis, Samuel et al.

; TITLE OF INVENTION: TIE-2 LIGANDS, METHODS OF MAKING AND USES THEREOF

; FILE REFERENCE: REG 330-F-PCT-US

; CURRENT APPLICATION NUMBER: US/08/817,318

; CURRENT FILING DATE: 1999-09-16

; NUMBER OF SEQ ID NOS: 6

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 2

; LENGTH: 498
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Unknown Organism
US-08-817-318-2

Query Match 100.0%; Score 106; DB 2; Length 498;
Best Local Similarity 100.0%; Pred. No. 5.7e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LCTKEGVLLKGGKREKPF 20
|||
Db 264 LCTKEGVLLKGGKREKPF 283

RESULT 32

US-09-709-188-2

; Sequence 2, Application US/09709188

; Patent No. 6441137

; GENERAL INFORMATION:

; APPLICANT: Davis et al.

; TITLE OF INVENTION: Expressed Ligand - Vascular Intercellular Signaling Molecule

; FILE REFERENCE: REG 333-Z

; CURRENT APPLICATION NUMBER: US/09/709,188

; CURRENT FILING DATE: 2000-11-09

; PRIOR APPLICATION NUMBER: 08/740,223

; PRIOR FILING DATE: 1996-10-25

; NUMBER OF SEQ ID NOS: 30

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 2

; LENGTH: 498

; TYPE: PRT

; ORGANISM: Homo sapiens

US-09-709-188-2

Query Match 100.0%; Score 106; DB 2; Length 498;
Best Local Similarity 100.0%; Pred. No. 5.7e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LCTKEGVLLKGGKREKPF 20
|||
Db 264 LCTKEGVLLKGGKREKPF 283

RESULT 33

US-09-709-188-20

; Sequence 20, Application US/09709188

; Patent No. 6441137

; GENERAL INFORMATION:

; APPLICANT: Davis et al.

; TITLE OF INVENTION: Expressed Ligand - Vascular Intercellular Signaling Molecule

; FILE REFERENCE: REG 333-Z

; CURRENT APPLICATION NUMBER: US/09/709,188

; CURRENT FILING DATE: 2000-11-09

; PRIOR APPLICATION NUMBER: 08/740,223

; PRIOR FILING DATE: 1996-10-25

; NUMBER OF SEQ ID NOS: 30

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 20

; LENGTH: 498

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence: Chimeric

; OTHER INFORMATION: INIC2F (Chimera 1)

US-09-709-188-20

Query Match 100.0%; Score 106; DB 2; Length 498;
Best Local Similarity 100.0%; Pred. No. 5.7e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LCTKEGVLLKGGKREKPF 20

```
Db      264  LCTKEGVLLKGGKREKPPF 283
|||||
RESULT 34
US-09-561-499-2
; Sequence 2, Application US/09561499
; Patent No. 6524583
; GENERAL INFORMATION:
; APPLICANT: Philip E. Thorpe
; APPLICANT: Rolf A. Brekken
; TITLE OF INVENTION: ANTIBODY METHODS FOR SELECTIVELY INHIBITING VEGF
; FILE REFERENCE: 4001.002582
; CURRENT APPLICATION NUMBER: US/09/561.499
; CURRENT FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 60/131.432
; PRIOR FILING DATE: 1999-04-28
; NUMBER OF SEQ ID NOS: 44
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 498
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-561-499-2
Query Match      100.0%; Score 106; DB 2; Length 498;
Best Local Similarity 100.0%; Pred. No. 5.7e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy      1  LCTKEGVLLKGGKREKPPF 20
Db      264  LCTKEGVLLKGGKREKPPF 283
|||||
RESULT 35
US-09-442-717-2
; Sequence 2, Application US/09442717
; Patent No. 6627415
; GENERAL INFORMATION:
; APPLICANT: Davis, Samuel et al.
; TITLE OF INVENTION: Tie-2 Ligands, Methods of Making and Uses Thereof
; FILE REFERENCE: REG 330-G-PCT-US
; CURRENT APPLICATION NUMBER: US/09/442.717
; CURRENT FILING DATE: 1999-11-18
; PRIOR APPLICATION NUMBER: 08/930.721
; PRIOR FILING DATE: 1998-03-10
; PRIOR APPLICATION NUMBER: PCT/US96/04806
; PRIOR FILING DATE: 1996-04-05
; PRIOR APPLICATION NUMBER: PCT/US95/12935
; PRIOR FILING DATE: 1995-10-06
; PRIOR APPLICATION NUMBER: 08/418.595
; PRIOR FILING DATE: 1996-04-05
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 498
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-442-717-2
Query Match      100.0%; Score 106; DB 2; Length 498;
Best Local Similarity 100.0%; Pred. No. 5.7e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy      1  LCTKEGVLLKGGKREKPPF 20
Db      264  LCTKEGVLLKGGKREKPPF 283
|||||
RESULT 36
US-09-689-020-2
; Sequence 2, Application US/09689020
; Patent No. 6645484
```

```
; GENERAL INFORMATION:
; APPLICANT: Davis, et al.
; TITLE OF INVENTION: TIE-2 LIGAND, METHOD OF MAKING AND USES THEREOF
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Regeneron Pharmaceuticals, Inc.
; STREET: 777 Old Saw Mill River Road
; CITY: Tarrytown
; STATE: New York
; COUNTRY: USA
; ZIP: 10591
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/689,020
; FILING DATE: 12-Oct-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/373,579
; FILING DATE: 17-JAN-1995
; APPLICATION NUMBER: US 08/353,503
; FILING DATE: 09-DEC-1994
; APPLICATION NUMBER: US 08/348,492
; FILING DATE: 02-DEC-1994
; APPLICATION NUMBER: US 08/330,261
; FILING DATE: 27-OCT-1994
; APPLICATION NUMBER: US 08/319,932
; FILING DATE: 07-OCT-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Cobert, Robert J.
; REGISTRATION NUMBER: REG 330-D
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (914) 345-7400
; TELEFAX: (914) 345-7721
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 498 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-689-020-2
Query Match      100.0%; Score 106; DB 2; Length 498;
Best Local Similarity 100.0%; Pred. No. 5.7e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy      1  LCTKEGVLLKGGKREKPPF 20
Db      264  LCTKEGVLLKGGKREKPPF 283
|||||
RESULT 37
US-09-998-831-2
; Sequence 2, Application US/09998831
; Patent No. 6676941
; GENERAL INFORMATION:
; APPLICANT: Philip E. Thorpe
; APPLICANT: Rolf A. Brekken
; TITLE OF INVENTION: ANTIBODY CONJUGATE COMPOSITIONS FOR SELECTIVELY INHIBITING VEGF
; FILE REFERENCE: 4001.002584
; CURRENT APPLICATION NUMBER: US/09/998,831
; CURRENT FILING DATE: 2001-11-30
; PRIOR APPLICATION NUMBER: 09/561,108
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 44
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
```

```

; LENGTH: 498
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-998-831-2

Query Match      100.0%; Score 106; DB 2; Length 498;
Best Local Similarity 100.0%; Pred. No. 5.7e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LCTKEGVLLKGGKREKPPF 20
Db 264 LCTKEGVLLKGGKREKPPF 283

RESULT 38
US-09-561-005-2
; Sequence 2, Application US/09561005
; Patent No. 6703020
; GENERAL INFORMATION:
; APPLICANT: Philip E. Thorpe
; APPLICANT: Rolf A. Brekken
; TITLE OF INVENTION: ANTIBODY CONJUGATE METHODS FOR SELECTIVELY INHIBITING VEGF
; FILE REFERENCE: 4001.002585
; CURRENT APPLICATION NUMBER: US/09/561,005
; CURRENT FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 60/131,432
; PRIOR FILING DATE: 1999-04-28
; NUMBER OF SEQ ID NOS: 44
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 498
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-561-005-2

Query Match      100.0%; Score 106; DB 2; Length 498;
Best Local Similarity 100.0%; Pred. No. 5.7e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LCTKEGVLLKGGKREKPPF 20
Db 264 LCTKEGVLLKGGKREKPPF 283

RESULT 39
US-09-819-386-2
; Sequence 2, Application US/09819386
; Patent No. 6783760
; GENERAL INFORMATION:
; APPLICANT: THORPE, PHILIP E.
; APPLICANT: RAN, SOPHIA
; TITLE OF INVENTION: CANCER TREATMENT METHODS USING THERAPEUTIC CONJUGATES
; FILE REFERENCE: 4001.002500
; CURRENT APPLICATION NUMBER: US/09/819,386
; CURRENT FILING DATE: 2001-03-28
; PRIOR APPLICATION NUMBER: US/09/351,457
; PRIOR FILING DATE: 1999-07-12
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 498
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-819-386-2

Query Match      100.0%; Score 106; DB 2; Length 498;
Best Local Similarity 100.0%; Pred. No. 5.7e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LCTKEGVLLKGGKREKPPF 20
Db 264 LCTKEGVLLKGGKREKPPF 283

RESULT 40
US-09-351-598-2
; Sequence 2, Application US/09351598
; Patent No. 6818213
; GENERAL INFORMATION:
; APPLICANT: THORPE, PHILIP E.
; APPLICANT: RAN, SOPHIA
; TITLE OF INVENTION: CANCER TREATMENT COMPOSITIONS COMPRISING THERAPEUTIC
; FILE REFERENCE: 4001.002382
; CURRENT APPLICATION NUMBER: US/09/351,598
; CURRENT FILING DATE: 1999-07-12
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 498
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-351-598-2

Query Match      100.0%; Score 106; DB 2; Length 498;
Best Local Similarity 100.0%; Pred. No. 5.7e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LCTKEGVLLKGGKREKPPF 20
Db 264 LCTKEGVLLKGGKREKPPF 283

RESULT 41
US-10-225-060-2
; Sequence 2, Application US/10225060
; Patent No. 6825008
; GENERAL INFORMATION:
; APPLICANT: Davis et al.
; TITLE OF INVENTION: Expressed Ligand - Vascular Intercellular Signaling
; FILE REFERENCE: REG 333-Z
; CURRENT APPLICATION NUMBER: US/10/225,060
; CURRENT FILING DATE: 2002-08-21
; PRIOR APPLICATION NUMBER: US/09/709,188
; PRIOR FILING DATE: 2000-11-09
; PRIOR APPLICATION NUMBER: 08/740,223
; PRIOR FILING DATE: 1996-10-25
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 498
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-225-060-2

Query Match      100.0%; Score 106; DB 2; Length 498;
Best Local Similarity 100.0%; Pred. No. 5.7e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LCTKEGVLLKGGKREKPPF 20
Db 264 LCTKEGVLLKGGKREKPPF 283

RESULT 42
US-10-225-060-20
; Sequence 20, Application US/10225060
; Patent No. 6825008
; GENERAL INFORMATION:
; APPLICANT: Davis et al.
; TITLE OF INVENTION: Expressed Ligand - Vascular Intercellular Signaling
; FILE REFERENCE: REG 333-Z
; CURRENT APPLICATION NUMBER: US/10/225,060
```

; CURRENT FILING DATE: 2002-08-21
; PRIOR APPLICATION NUMBER: US/09/709,188
; PRIOR FILING DATE: 2000-11-09
; PRIOR APPLICATION NUMBER: 08/740,223
; PRIOR FILING DATE: 1996-10-25
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 20
; LENGTH: 498
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Chimeric
; FEATURE:
; OTHER INFORMATION: IN1C2F (chimera 1)
US-10-225-060-20

Query Match 100.0%; Score 106; DB 2; Length 498;
Best Local Similarity 100.0%; Pred. No. 5.7e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LCTKEGVLKGGKREEEKPF 20
|||||
Db 264 LCTKEGVLKGGKREEEKPF 283

RESULT 43
US-10-018-386-3
; Sequence 3, Application US/10018386
; Patent No. 6835381
; GENERAL INFORMATION:
; APPLICANT: Bayer AG
; APPLICANT: Friedrich, Gabi
; APPLICANT: Hagen, Gustav
; APPLICANT: Wick, Maresa
; APPLICANT: Zubov, Dmitry
; APPLICANT: Dubois-Stringfellow, Nathalie A.
; TITLE OF INVENTION: METHODS FOR MODULATING ANGIOGENESIS
; FILE REFERENCE: 17956A-000500PC
; CURRENT APPLICATION NUMBER: US/10/018,386
; CURRENT FILING DATE: 2001-12-13
; PRIOR APPLICATION NUMBER: EP 99113502.1
; PRIOR FILING DATE: 1999-07-02
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 498
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-018-386-3

Query Match 100.0%; Score 106; DB 2; Length 498;
Best Local Similarity 100.0%; Pred. No. 5.7e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LCTKEGVLKGGKREEEKPF 20
|||||
Db 264 LCTKEGVLKGGKREEEKPF 283

RESULT 44
US-10-215-224-5
; Sequence 5, Application US/10215224
; Patent No. 6846914
; GENERAL INFORMATION:
; APPLICANT: Valenzuela et al.
; TITLE OF INVENTION: NOVEL LIGANDS, METHODS OF MAKING AND USES THEREOF
; FILE REFERENCE: REG330-K
; CURRENT APPLICATION NUMBER: US/10/215,224
; CURRENT FILING DATE: 2002-08-08
; PRIOR APPLICATION NUMBER: US/09/202,491
; PRIOR FILING DATE: 1998-11-16
; PRIOR APPLICATION NUMBER: PCT/US97/10728

; PRIOR FILING DATE: 1997-06-19
; PRIOR APPLICATION NUMBER: 60/022,999
; PRIOR FILING DATE: 1996-08-02
; PRIOR APPLICATION NUMBER: 60/021,087
; PRIOR FILING DATE: 1996-07-02
; PRIOR APPLICATION NUMBER: 08/665,926
; PRIOR FILING DATE: 1996-06-19
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 498
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-215-224-5

Query Match 100.0%; Score 106; DB 2; Length 498;
Best Local Similarity 100.0%; Pred. No. 5.7e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LCTKEGVLKGGKREEEKPF 20
|||||
Db 264 LCTKEGVLKGGKREEEKPF 283

RESULT 45
US-10-215-224-6
; Sequence 6, Application US/10215224
; Patent No. 6846914
; GENERAL INFORMATION:
; APPLICANT: Valenzuela et al.
; TITLE OF INVENTION: NOVEL LIGANDS, METHODS OF MAKING AND USES THEREOF
; FILE REFERENCE: REG330-K
; CURRENT APPLICATION NUMBER: US/10/215,224
; CURRENT FILING DATE: 2002-08-08
; PRIOR APPLICATION NUMBER: US/09/202,491
; PRIOR FILING DATE: 1998-11-16
; PRIOR APPLICATION NUMBER: PCT/US97/10728
; PRIOR FILING DATE: 1997-06-19
; PRIOR APPLICATION NUMBER: 60/022,999
; PRIOR FILING DATE: 1996-08-02
; PRIOR APPLICATION NUMBER: 60/021,087
; PRIOR FILING DATE: 1996-07-02
; PRIOR APPLICATION NUMBER: 08/665,926
; PRIOR FILING DATE: 1996-06-19
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 498
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-215-224-6

Query Match 100.0%; Score 106; DB 2; Length 498;
Best Local Similarity 100.0%; Pred. No. 5.7e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LCTKEGVLKGGKREEEKPF 20
|||||
Db 264 LCTKEGVLKGGKREEEKPF 283

RESULT 46
US-10-214-812-5
; Sequence 5, Application US/10214812
; Patent No. 6881395
; GENERAL INFORMATION:
; APPLICANT: Valenzuela et al.
; TITLE OF INVENTION: NOVEL LIGANDS, METHODS OF MAKING AND USES THEREOF
; FILE REFERENCE: REG330-K
; CURRENT APPLICATION NUMBER: US/10/214,812
; CURRENT FILING DATE: 2002-08-08
; PRIOR APPLICATION NUMBER: US/09/202,491
; PRIOR FILING DATE: 1998-11-16

; PRIOR APPLICATION NUMBER: PCT/US97/10728
; PRIOR FILING DATE: 1997-06-19
; PRIOR APPLICATION NUMBER: 60/022,999
; PRIOR FILING DATE: 1996-08-02
; PRIOR APPLICATION NUMBER: 60/021,087
; PRIOR FILING DATE: 1996-07-02
; PRIOR APPLICATION NUMBER: 08/665,926
; PRIOR FILING DATE: 1996-06-19
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 498
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-214-812-5

Query Match 100.0%; Score 106; DB 2; Length 498;
Best Local Similarity 100.0%; Pred. No. 5.7e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LCTKEGVLKGGKREKPF 20
| | | | | | | | | | | | | | | | | | | | | |
DB 264 LCTKEGVLKGGKREKPF 283

RESULT 47

US-10-214-812-6
; Sequence 6, Application US/10214812
; Patent No. 6881395
; GENERAL INFORMATION:
; APPLICANT: Valenzuela et al.
; TITLE OF INVENTION: NOVEL LIGANDS, METHODS OF MAKING AND USES THEREOF
; FILE REFERENCE: REG330-K
; CURRENT APPLICATION NUMBER: US/10/214,812
; CURRENT FILING DATE: 2002-08-08
; PRIOR APPLICATION NUMBER: US/09/202,491
; PRIOR FILING DATE: 1998-11-16
; PRIOR APPLICATION NUMBER: PCT/US97/10728
; PRIOR FILING DATE: 1997-06-19
; PRIOR APPLICATION NUMBER: 60/022,999
; PRIOR FILING DATE: 1996-08-02
; PRIOR APPLICATION NUMBER: 60/021,087
; PRIOR FILING DATE: 1996-07-02
; PRIOR APPLICATION NUMBER: 08/665,926
; PRIOR FILING DATE: 1996-06-19
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 498
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-214-812-6

Query Match 100.0%; Score 106; DB 2; Length 498;
Best Local Similarity 100.0%; Pred. No. 5.7e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LCTKEGVLKGGKREKPF 20
| | | | | | | | | | | | | | | | | | | | | |
DB 264 LCTKEGVLKGGKREKPF 283

RESULT 48

US-09-562-245-2
; Sequence 2, Application US/09562245
; Patent No. 6887468
; GENERAL INFORMATION:
; APPLICANT: Philip E. Thorpe
; APPLICANT: Rolf A. Brecken
; TITLE OF INVENTION: ANTIBODY KITS FOR SELECTIVELY INHIBITING VEGF
; FILE REFERENCE: 4001.002583
; CURRENT APPLICATION NUMBER: US/09/562,245
; CURRENT FILING DATE: 2000-04-28

; PRIOR APPLICATION NUMBER: 60/131,432
; PRIOR FILING DATE: 1999-04-28
; NUMBER OF SEQ ID NOS: 44
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 498
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-562-245-2

Query Match 100.0%; Score 106; DB 2; Length 498;
Best Local Similarity 100.0%; Pred. No. 5.7e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LCTKEGVLKGGKREKPF 20
| | | | | | | | | | | | | | | | | | | | | |
DB 264 LCTKEGVLKGGKREKPF 283

RESULT 49

US-11-073-120-2
; Sequence 2, Application US/11073120
; Patent No. 7045302
; GENERAL INFORMATION:
; APPLICANT: Davis, Samuel
; APPLICANT: Yancopoulos, George D.
; TITLE OF INVENTION: Expressed Ligand - Vascular
; TITLE OF INVENTION: Intercellular Signaling Molecule
; FILE REFERENCE: REG 333X
; CURRENT APPLICATION NUMBER: US/11/073,120
; CURRENT FILING DATE: 2005-03-04
; PRIOR APPLICATION NUMBER: 10/225,060
; PRIOR FILING DATE: 2002-08-21
; PRIOR APPLICATION NUMBER: 09/709,188
; PRIOR FILING DATE: 2000-11-09
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 498
; TYPE: PRT
; ORGANISM: Homo sapien
US-11-073-120-2

Query Match 100.0%; Score 106; DB 3; Length 498;
Best Local Similarity 100.0%; Pred. No. 5.7e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LCTKEGVLKGGKREKPF 20
| | | | | | | | | | | | | | | | | | | | | |
DB 264 LCTKEGVLKGGKREKPF 283

RESULT 50

US-11-073-120-2
; Sequence 20, Application US/11073120
; Patent No. 7045302
; GENERAL INFORMATION:
; APPLICANT: Davis, Samuel
; APPLICANT: Yancopoulos, George D.
; TITLE OF INVENTION: Expressed Ligand - Vascular
; TITLE OF INVENTION: Intercellular Signaling Molecule
; FILE REFERENCE: REG 333X
; CURRENT APPLICATION NUMBER: US/11/073,120
; CURRENT FILING DATE: 2005-03-04
; PRIOR APPLICATION NUMBER: 10/225,060
; PRIOR FILING DATE: 2002-08-21
; PRIOR APPLICATION NUMBER: 09/709,188
; PRIOR FILING DATE: 2000-11-09
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 20
; LENGTH: 498
; TYPE: PRT

; ORGANISM: Homo sapien
US-11-073-120-20

Query Match 100.0%; Score 106; DB 3; Length 498;
Best Local Similarity 100.0%; Pred. NO. 5.7e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LCTKEGVLLKGGKREEEKPF 20
| | | | | | | | | | | | | | | | | | | | | |
Db 264 LCTKEGVLLKGGKREEEKPF 283

Search completed: July 12, 2007, 02:01:02
Job time : 91 secs

GenCore version 6.2.1
Copyright (c) 1993 - 2007 Bioceleration Ltd.

OM protein - protein_search, using sw model

Run on: July 12, 2007, 01:59:52 ; Search time 74 Seconds
(without alignments)
125.193 Million cell updates/sec

Title: US-10-789-222a-2

Perfect score: 106

Sequence: 1 LCTKRGVLLKGGKREKPF 20

Scoring table: GAPop 10.0 , Gapext 0.5

Searched: 2097797 seqs, 463214858 residues

Total number of hits satisfying chosen parameters: 2097797

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 1000 summaries

Database :

Published Applications AA Main.*

- 1: /EMC_Celerra_SIDS3/prodata/2/pubpaa/US07_PUBCOMB.pep.*
- 2: /EMC_Celerra_SIDS3/prodata/2/pubpaa/US08_PUBCOMB.pep.*
- 3: /EMC_Celerra_SIDS3/prodata/2/pubpaa/US09_PUBCOMB.pep.*
- 4: /EMC_Celerra_SIDS3/prodata/2/pubpaa/US10A_PUBCOMB.pep.*
- 5: /EMC_Celerra_SIDS3/prodata/2/pubpaa/US10B_PUBCOMB.pep.*
- 6: /EMC_Celerra_SIDS3/prodata/2/pubpaa/US11_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	106	100.0	20	4	US-10-789-222-1
2	106	100.0	20	4	US-10-789-222-2
3	106	100.0	235	3	US-09-832-355A-18
4	106	100.0	260	6	US-10-273-180-2
5	106	100.0	260	6	US-11-284-465-2
6	106	100.0	298	4	US-10-273-180-4
7	106	100.0	298	6	US-11-284-465-4
8	106	100.0	309	4	US-10-273-180-6
9	106	100.0	309	6	US-11-284-465-6
10	106	100.0	312	4	US-10-273-180-8
11	106	100.0	312	6	US-11-284-465-8
12	106	100.0	402	4	US-10-367-259A-36
13	106	100.0	402	6	US-11-019-829-115
14	106	100.0	456	4	US-10-789-222-7
15	106	100.0	456	4	US-10-789-222-8
16	106	100.0	478	4	US-10-225-060-7
17	106	100.0	478	5	US-10-928-911-7
18	106	100.0	478	6	US-11-073-120-7
19	106	100.0	495	4	US-10-225-060-26
20	106	100.0	495	5	US-10-928-911-26
21	106	100.0	495	6	US-11-073-120-26
22	106	100.0	497	4	US-10-225-060-14
23	106	100.0	497	5	US-10-928-911-14
24	106	100.0	497	6	US-11-073-120-14
25	106	100.0	498	3	US-09-998-831-2
26	106	100.0	498	3	US-09-897-306-13
27	106	100.0	498	3	US-09-832-355A-15

28	106	100.0	498	3	US-09-998-833-2	Sequence 2, Appli
29	106	100.0	498	4	US-10-179-744-2	Sequence 2, Appli
30	106	100.0	498	4	US-10-186-817-2	Sequence 2, Appli
31	106	100.0	498	4	US-10-215-224-5	Sequence 5, Appli
32	106	100.0	498	4	US-10-215-224-6	Sequence 6, Appli
33	106	100.0	498	4	US-10-214-812-5	Sequence 5, Appli
34	106	100.0	498	4	US-10-214-812-6	Sequence 6, Appli
35	106	100.0	498	4	US-10-225-060-2	Sequence 2, Appli
36	106	100.0	498	4	US-10-225-060-20	Sequence 20, Appli
37	106	100.0	498	4	US-10-321-332-2	Sequence 2, Appli
38	106	100.0	498	4	US-10-136-819-12	Sequence 12, Appli
39	106	100.0	498	4	US-10-179-615-2	Sequence 2, Appli
40	106	100.0	498	4	US-10-179-820-2	Sequence 2, Appli
41	106	100.0	498	4	US-10-373-561-2	Sequence 13, Appli
42	106	100.0	498	4	US-10-367-259A-13	Sequence 14, Appli
43	106	100.0	498	4	US-10-367-259A-14	Sequence 24, Appli
44	106	100.0	498	4	US-10-367-259A-24	Sequence 26, Appli
45	106	100.0	498	4	US-10-367-259A-26	Sequence 28, Appli
46	106	100.0	498	4	US-10-367-259A-28	Sequence 40, Appli
47	106	100.0	498	4	US-10-367-259A-40	Sequence 13, Appli
48	106	100.0	498	4	US-10-789-222-13	Sequence 14, Appli
49	106	100.0	498	5	US-10-723-860-2597	Sequence 2597, Ap
50	106	100.0	498	5	US-10-988-245-2	Sequence 2, Appli
51	106	100.0	498	5	US-10-603-293-2	Sequence 2, Appli
52	106	100.0	498	5	US-10-928-911-2	Sequence 20, Appli
53	106	100.0	498	5	US-10-928-911-20	Sequence 1, Appli
54	106	100.0	498	5	US-10-738-404-2	Sequence 1, Appli
55	106	100.0	498	5	US-10-501-259-1	Sequence 5419, Ap
56	106	100.0	498	5	US-10-756-149-5419	Sequence 114, App
57	106	100.0	498	6	US-11-019-829-114	Sequence 2, Appli
58	106	100.0	498	6	US-11-073-091-2	Sequence 20, Appli
59	106	100.0	498	6	US-11-073-120-2	Sequence 20, Appli
60	106	100.0	498	6	US-11-073-120-20	Sequence 29, Appli
61	106	100.0	498	6	US-11-037-713-29	Sequence 2, Appli
62	106	100.0	498	6	US-11-254-137-2	Sequence 5, Appli
63	106	100.0	498	6	US-09-998-831-5	Sequence 5, Appli
64	96	90.6	495	3	US-09-998-833-5	Sequence 5, Appli
65	96	90.6	495	3	US-10-373-561-5	Sequence 5, Appli
66	96	90.6	495	4	US-10-988-245-5	Sequence 5, Appli
67	96	90.6	495	5	US-10-738-404-5	Sequence 5, Appli
68	96	90.6	495	5	US-11-254-137-5	Sequence 5, Appli
69	96	90.6	495	6	US-10-367-259A-20	Sequence 13, Appli
70	96	90.6	498	4	US-10-225-060-13	Sequence 12, Appli
71	90	84.9	491	4	US-10-928-911-13	Sequence 13, Appli
72	90	84.9	491	6	US-11-073-120-13	Sequence 12, Appli
73	90	84.9	491	6	US-10-367-259A-41	Sequence 12, Appli
74	89.5	84.4	147	4	US-10-225-060-12	Sequence 12, Appli
75	89.5	84.4	490	4	US-10-928-911-12	Sequence 12, Appli
76	89.5	84.4	490	5	US-11-073-120-12	Sequence 4, Appli
77	89.5	84.4	490	6	US-10-225-060-4	Sequence 37, Appli
78	89.5	84.4	497	4	US-10-367-259A-38	Sequence 38, Appli
79	89.5	84.4	497	4	US-10-367-259A-38	Sequence 39, Appli
80	89.5	84.4	497	4	US-10-367-259A-39	Sequence 42, Appli
81	89.5	84.4	497	4	US-10-367-259A-42	Sequence 67, Appli
82	89.5	84.4	497	5	US-10-868-577A-67	Sequence 4, Appli
83	89.5	84.4	497	5	US-10-928-911-4	Sequence 4, Appli
84	89.5	84.4	497	5	US-11-073-091-4	Sequence 11, Appli
85	89.5	84.4	497	6	US-11-073-120-4	Sequence 163, App
86	89.5	84.4	497	6	US-11-149-462-11	Sequence 163, App
87	89.5	84.4	497	6	US-11-049-536-163	Sequence 4, Appli
88	89.5	84.4	497	6	US-11-199-739-163	Sequence 4, Appli
89	86.5	81.6	497	4	US-10-179-744-4	Sequence 4, Appli
90	86.5	81.6	497	4	US-10-186-817-4	Sequence 4, Appli
91	86.5	81.6	497	4	US-10-321-332-4	Sequence 4, Appli
92	86.5	81.6	497	4	US-10-179-615-4	Sequence 4, Appli
93	86.5	81.6	497	4	US-10-179-820-4	Sequence 4, Appli
94	86.5	81.6	497	5	US-10-603-293-4	Sequence 15, Appli
95	86.5	81.6	497	5	US-10-367-259A-27	Sequence 27, Appli
96	85.5	80.7	481	4	US-10-437-963-13788	Sequence 13788,
97	85.5	80.7	481	4	US-10-437-963-13788	Sequence 13788,
98	54	50.9	1177	4	US-10-425-115-233414	Sequence 233414,
99	54	50.9	2697	4		
100	51	48.1	748	4		

101	51	48.1	919	4	US-10-437-963-130745	Sequence 120745,	174	48	45.3	1126	4	US-10-437-963-189172	Sequence 189172,
102	51	48.1	930	4	US-10-437-963-130740	Sequence 120740,	175	48	45.3	1170	4	US-10-437-963-189335	Sequence 189335,
103	51	48.1	963	4	US-10-437-963-120623	Sequence 120623,	176	48	45.3	1185	4	US-10-437-963-142149	Sequence 142149,
104	51	48.1	971	4	US-10-437-963-137642	Sequence 137642,	177	48	45.3	1187	4	US-10-437-963-189134	Sequence 189134,
105	51	48.1	988	4	US-10-437-963-120707	Sequence 120707,	178	48	45.3	1217	4	US-10-437-963-142108	Sequence 142108,
106	51	48.1	1017	4	US-10-437-963-120520	Sequence 120520,	179	48	45.3	1255	4	US-10-437-963-142121	Sequence 142121,
107	51	48.1	1017	4	US-10-437-963-120697	Sequence 120697,	180	48	45.3	1261	4	US-10-437-963-189166	Sequence 189166,
108	51	48.1	1049	4	US-10-437-963-137743	Sequence 137743,	181	48	45.3	1266	4	US-10-437-963-142064	Sequence 142064,
109	51	48.1	1062	4	US-10-437-963-120734	Sequence 120734,	182	48	45.3	1269	4	US-10-437-963-142148	Sequence 142148,
110	51	48.1	1095	4	US-10-437-963-120776	Sequence 120776,	183	48	45.3	1276	4	US-10-437-963-189250	Sequence 189250,
111	51	48.1	1096	4	US-10-437-963-137821	Sequence 137821,	184	48	45.3	1286	4	US-10-437-963-189204	Sequence 189204,
112	51	48.1	1128	4	US-10-437-963-137842	Sequence 137842,	185	48	45.3	1293	4	US-10-437-963-142081	Sequence 142081,
113	51	48.1	1145	4	US-10-437-963-137676	Sequence 137676,	186	48	45.3	1297	4	US-10-437-963-189137	Sequence 189137,
114	51	48.1	1156	4	US-10-437-963-137747	Sequence 137747,	187	48	45.3	1304	4	US-10-437-963-142077	Sequence 142077,
115	51	48.1	1157	4	US-10-437-963-137632	Sequence 137632,	188	48	45.3	1329	4	US-10-437-963-189111	Sequence 189111,
116	51	48.1	1165	4	US-10-437-963-120674	Sequence 120674,	189	48	45.3	1337	4	US-10-437-963-142119	Sequence 142119,
117	51	48.1	1166	4	US-10-437-963-120592	Sequence 120592,	190	48	45.3	1339	4	US-10-437-963-197732	Sequence 197732,
118	51	48.1	1177	4	US-10-437-963-130784	Sequence 130784,	191	48	45.3	1342	4	US-10-437-963-142022	Sequence 142022,
119	51	48.1	1177	4	US-10-437-963-137824	Sequence 137824,	192	48	45.3	1346	4	US-10-437-963-189131	Sequence 189131,
120	51	48.1	1188	4	US-10-425-115-233412	Sequence 233412,	193	48	45.3	1361	4	US-10-437-963-189289	Sequence 189289,
121	51	48.1	1199	4	US-10-437-963-130817	Sequence 130817,	194	48	45.3	1367	4	US-10-437-963-189320	Sequence 189320,
122	51	48.1	1210	4	US-10-437-963-137668	Sequence 137668,	195	48	45.3	1385	4	US-10-437-963-142146	Sequence 142146,
123	51	48.1	1238	4	US-10-437-963-137783	Sequence 137783,	196	48	45.3	1397	4	US-10-437-963-142107	Sequence 142107,
124	51	48.1	1247	4	US-10-437-963-120625	Sequence 120625,	197	48	45.3	1419	4	US-10-437-963-142104	Sequence 142104,
125	51	48.1	1259	4	US-10-437-963-120821	Sequence 120821,	198	48	45.3	1420	4	US-10-437-963-142071	Sequence 142071,
126	51	48.1	1279	4	US-10-437-963-120709	Sequence 120709,	199	48	45.3	1438	4	US-10-437-963-142076	Sequence 142076,
127	51	48.1	1282	4	US-10-437-963-137797	Sequence 137797,	200	48	45.3	1457	4	US-10-437-963-189171	Sequence 189171,
128	51	48.1	1283	4	US-10-437-963-137078	Sequence 137078,	201	48	45.3	1460	4	US-10-437-963-142150	Sequence 142150,
129	51	48.1	1284	4	US-10-437-963-120578	Sequence 120578,	202	48	45.3	1540	4	US-10-437-963-189323	Sequence 189323,
130	51	48.1	1286	4	US-10-437-963-137838	Sequence 137838,	203	48	45.3	1616	4	US-10-437-963-189215	Sequence 189215,
131	51	48.1	1289	4	US-10-437-963-120810	Sequence 120810,	204	48	45.3	1641	4	US-10-437-963-142027	Sequence 142027,
132	51	48.1	1292	4	US-10-425-115-233413	Sequence 233413,	205	48	45.3	2259	4	US-10-437-963-142117	Sequence 142117,
133	51	48.1	1308	4	US-10-437-963-120632	Sequence 120632,	206	47	44.3	60	4	US-10-424-599-277664	Sequence 277664,
134	51	48.1	1308	4	US-10-437-963-137762	Sequence 137762,	207	47	44.3	382	4	US-10-425-115-299452	Sequence 299452,
135	51	48.1	1355	4	US-10-437-963-137649	Sequence 137649,	208	46	43.4	722	4	US-10-437-963-120558	Sequence 120558,
136	51	48.1	1366	4	US-10-437-963-120775	Sequence 120775,	209	46	43.4	838	4	US-10-425-115-270677	Sequence 270677,
137	51	48.1	1377	4	US-10-437-963-120783	Sequence 120783,	210	46	43.4	923	4	US-10-262-538-6	Sequence 6, Appli
138	51	48.1	1377	4	US-10-437-963-137833	Sequence 137833,	211	46	43.4	923	4	US-10-669-176-6	Sequence 6, Appli
139	51	48.1	1377	4	US-10-437-963-137864	Sequence 137864,	212	46	43.4	1246	4	US-10-425-115-199860	Sequence 199860,
140	51	48.1	1399	4	US-10-437-963-137671	Sequence 137671,	213	46	43.4	1260	4	US-10-437-963-120736	Sequence 120736,
141	51	48.1	1432	4	US-10-437-963-137826	Sequence 137826,	214	46	43.4	1327	4	US-10-437-963-189202	Sequence 189202,
142	51	48.1	1443	4	US-10-437-963-120771	Sequence 120771,	215	46	43.4	1394	4	US-10-437-963-142038	Sequence 142038,
143	51	48.1	1488	4	US-10-437-963-137752	Sequence 137752,	216	46	43.4	1440	4	US-10-437-963-142069	Sequence 142069,
144	51	48.1	1508	4	US-10-437-963-137794	Sequence 137794,	217	46	43.4	1537	4	US-10-425-115-199863	Sequence 199863,
145	51	48.1	1509	4	US-10-437-963-137671	Sequence 137671,	218	46	43.4	1561	4	US-10-437-963-137666	Sequence 137666,
146	51	48.1	1513	4	US-10-437-963-120588	Sequence 120588,	219	45	42.5	105	3	US-10-437-963-137666	Sequence 137666,
147	51	48.1	1935	4	US-10-437-963-120662	Sequence 120662,	220	45	42.5	105	3	US-09-864-761-34800	Sequence 34800, A
148	51	48.1	1948	4	US-10-437-963-137866	Sequence 137866,	221	45	42.5	107	4	US-09-864-761-36969	Sequence 36969, A
149	51	48.1	1959	4	US-10-437-963-137816	Sequence 137816,	222	45	42.5	135	4	US-10-425-114-37008	Sequence 37008, A
150	51	48.1	2353	4	US-10-437-963-137865	Sequence 137865,	223	45	42.5	155	4	US-10-425-115-24434	Sequence 24434,
151	51	48.1	2623	4	US-10-374-780A-1433	Sequence 1433, Ap	224	45	42.5	167	3	US-10-425-115-234103	Sequence 234103,
152	51	48.1	2623	4	US-10-412-699B-1519	Sequence 1519, Ap	225	45	42.5	168	3	US-09-750-963-13	Sequence 13, Appl
153	51	48.1	2705	4	US-10-437-963-137871	Sequence 137871,	226	45	42.5	168	4	US-10-081-347-22	Sequence 22, Appl
154	51	48.1	3130	4	US-10-437-963-137837	Sequence 137837,	227	45	42.5	168	4	US-10-315-431-22	Sequence 22, Appl
155	50	47.2	1310	4	US-10-425-115-216765	Sequence 216765,	228	45	42.5	168	5	US-10-087-922-22	Sequence 22, Appl
156	49	46.2	659	4	US-10-283-122A-55067	Sequence 55067, A	229	45	42.5	168	5	US-10-854-485-22	Sequence 336271,
157	49	46.2	683	4	US-10-283-122A-54972	Sequence 54972, A	230	45	42.5	254	4	US-10-425-115-336271	Sequence 336271,
158	49	46.2	710	3	US-09-815-122A-10895	Sequence 10895, A	231	45	42.5	451	4	US-10-425-115-302013	Sequence 302013,
159	49	46.2	710	3	US-10-283-122A-57158	Sequence 57158, A	232	45	42.5	457	4	US-10-425-114-51681	Sequence 51681, A
160	49	46.2	1061	4	US-10-437-963-137831	Sequence 137831,	233	45	42.5	458	4	US-10-425-114-46783	Sequence 46783, A
161	49	46.2	1320	4	US-10-437-963-120705	Sequence 120705,	234	45	42.5	482	6	US-11-188-298-21319	Sequence 21319, A
162	48	45.3	639	4	US-10-437-963-189095	Sequence 189095,	235	45	42.5	533	5	US-10-450-763-56764	Sequence 56764, A
163	48	45.3	815	4	US-10-437-963-189097	Sequence 189097,	236	45	42.5	644	4	US-10-104-610-6	Sequence 6, Appli
164	48	45.3	906	4	US-10-437-963-189040	Sequence 189040,	237	45	42.5	645	4	US-10-425-115-368990	Sequence 368990,
165	48	45.3	966	4	US-10-437-963-120712	Sequence 120712,	238	45	42.5	751	4	US-10-425-115-368990	Sequence 368990,
166	48	45.3	977	4	US-10-437-963-189257	Sequence 189257,	239	45	42.5	923	4	US-10-424-599-194910	Sequence 2, Appli
167	48	45.3	1008	4	US-10-437-963-189329	Sequence 189329,	240	45	42.5	923	4	US-10-104-610-2	Sequence 2, Appli
168	48	45.3	1051	4	US-10-437-963-189141	Sequence 189141,	241	45	42.5	923	4	US-10-262-538-2	Sequence 2, Appli
169	48	45.3	1052	4	US-10-437-963-142025	Sequence 142025,	242	45	42.5	923	5	US-10-669-176-2	Sequence 2, Appli
170	48	45.3	1082	4	US-10-437-963-189175	Sequence 189175,	243	45	42.5	923	5	US-10-703-817-7	Sequence 7, Appli
171	48	45.3	1084	4	US-10-437-963-189180	Sequence 189180,	244	45	42.5	923	5	US-10-287-436A-425	Sequence 425, App
172	48	45.3	1094	4	US-10-437-963-189248	Sequence 189248,	245	45	42.5	923	5	US-10-287-436A-1122	Sequence 1122, App
173	48	45.3	1107	4	US-10-437-963-189075	Sequence 189075,	246	45	42.5	923	5	US-10-840-590-18	Sequence 18, Appl

247	45	42.5	923	6	US-11-075-047A-113	Sequence 113, App	320	43	40.6	1578	4	US-10-087-192-960	Sequence 960, App
248	45	42.5	957	4	US-10-296-115-1285	Sequence 1285, App	321	43	40.6	1788	4	US-10-408-765A-2265	Sequence 2265, App
249	45	42.5	1080	5	US-10-450-763-44755	Sequence 44755, App	322	43	40.6	1788	5	US-10-719-993-840	Sequence 840, App
250	45	42.5	1093	4	US-10-437-963-189178	Sequence 189178, App	323	43	40.6	2103	4	US-10-437-963-137755	Sequence 137755, App
251	45	42.5	1119	4	US-10-437-963-189212	Sequence 189212, App	324	43	40.6	2152	4	US-10-087-192-957	Sequence 957, App
252	45	42.5	1187	4	US-10-437-963-119970	Sequence 119970, App	325	43	40.6	2214	5	US-10-719-993-839	Sequence 839, App
253	45	42.5	1504	4	US-10-437-963-189284	Sequence 189284, App	326	43	40.6	2214	5	US-10-719-993-841	Sequence 841, App
254	44.5	42.0	249	6	US-11-096-568A-24481	Sequence 24481, A	327	42.5	40.1	75	4	US-10-437-963-155176	Sequence 155176, App
255	44.5	42.0	255	4	US-10-425-114-55860	Sequence 55860, A	328	42.5	40.1	163	5	US-10-793-628-2598	Sequence 2598, App
256	44.5	42.0	260	6	US-11-096-568A-24480	Sequence 24480, A	329	42.5	40.1	623	6	US-11-097-143-25275	Sequence 25275, A
257	44.5	42.0	273	4	US-10-425-115-238055	Sequence 238055, A	330	42.5	40.1	627	6	US-11-097-143-25278	Sequence 25278, A
258	44.5	42.0	354	6	US-11-096-568A-24479	Sequence 24479, A	331	42.5	40.1	1003	4	US-10-161-051-91	Sequence 91, Appl
259	44	41.5	88	4	US-10-425-114-61664	Sequence 61664, A	332	42.5	40.1	1013	4	US-10-451-467A-546	Sequence 546, App
260	44	41.5	118	4	US-10-437-963-173716	Sequence 173716, A	333	42	39.6	76	4	US-10-424-599-251574	Sequence 251574, App
261	44	41.5	185	5	US-10-450-763-36841	Sequence 36841, A	334	42	39.6	86	4	US-10-424-599-173039	Sequence 173039, App
262	44	41.5	199	4	US-10-437-963-183690	Sequence 183690, A	335	42	39.6	114	4	US-10-424-599-23727	Sequence 23727, App
263	44	41.5	228	4	US-10-080-170-250	Sequence 250, App	336	42	39.6	131	6	US-11-097-143-23457	Sequence 23457, A
264	44	41.5	228	4	US-10-080-170-250	Sequence 250, App	337	42	39.6	134	4	US-10-282-122A-55650	Sequence 55650, A
265	44	41.5	228	4	US-10-468-356-250	Sequence 250, App	338	42	39.6	138	4	US-10-077-584-2	Sequence 2, Appli
266	44	41.5	252	4	US-10-437-963-129992	Sequence 129992, App	339	42	39.6	140	3	US-09-904-987-4	Sequence 4, Appli
267	44	41.5	275	3	US-09-823-356-16	Sequence 16, Appli	340	42	39.6	140	4	US-10-039-413-1	Sequence 1, Appli
268	44	41.5	275	4	US-10-112-645-2	Sequence 2, Appli	341	42	39.6	140	4	US-10-039-413-2	Sequence 2, Appli
269	44	41.5	275	4	US-10-170-385-23	Sequence 23, Appli	342	42	39.6	140	4	US-10-039-413-3	Sequence 3, Appli
270	44	41.5	275	4	US-10-755-889-436	Sequence 436, App	343	42	39.6	140	4	US-10-039-413-4	Sequence 4, Appli
271	44	41.5	275	6	US-11-110-977-2	Sequence 2, Appli	344	42	39.6	140	4	US-10-301-488A-54	Sequence 54, Appl
272	44	41.5	276	3	US-09-813-153-86	Sequence 86, Appl	345	42	39.6	140	4	US-10-445-366-17	Sequence 17, Appl
273	44	41.5	276	3	US-09-949-925-86	Sequence 86, Appl	346	42	39.6	140	4	US-10-112-944-255	Sequence 255, App
274	44	41.5	282	3	US-09-833-245-458	Sequence 458, App	347	42	39.6	140	4	US-10-301-448-54	Sequence 54, Appl
275	44	41.5	282	6	US-11-264-096-458	Sequence 458, App	348	42	39.6	140	4	US-10-699-517-1	Sequence 1, Appli
276	44	41.5	291	4	US-10-264-237-1828	Sequence 1828, App	349	42	39.6	140	4	US-10-698-099-1	Sequence 1, Appli
277	44	41.5	318	3	US-09-833-245-455	Sequence 455, App	350	42	39.6	140	5	US-10-915-214-1	Sequence 1, Appli
278	44	41.5	318	6	US-11-264-096-455	Sequence 455, App	351	42	39.6	140	5	US-10-826-157-2	Sequence 2, Appli
279	44	41.5	373	4	US-10-289-762-934	Sequence 934, App	352	42	39.6	140	5	US-10-991-286A-2	Sequence 2, Appli
280	44	41.5	394	4	US-10-282-122A-68412	Sequence 68412, A	353	42	39.6	140	5	US-10-984-192-1	Sequence 1, Appli
281	44	41.5	798	6	US-11-079-463-10034	Sequence 10034, A	354	42	39.6	140	5	US-10-969-335-1	Sequence 1, Appli
282	44	41.5	3975	4	US-10-437-963-165014	Sequence 165014, A	355	42	39.6	140	6	US-11-177-509-18	Sequence 18, Appl
283	43.5	41.0	473	4	US-10-369-493-10369	Sequence 10369, A	356	42	39.6	140	6	US-11-185-907-1	Sequence 1, Appli
284	43.5	41.0	513	4	US-10-389-566-1810	Sequence 1810, App	357	42	39.6	141	5	US-10-853-774-10	Sequence 10, Appl
285	43	40.6	63	4	US-10-437-963-109486	Sequence 109486, A	358	42	39.6	156	4	US-10-282-122A-73564	Sequence 73564, A
286	43	40.6	69	4	US-10-029-386-31052	Sequence 31052, A	359	42	39.6	184	4	US-10-425-115-283831	Sequence 283831, App
287	43	40.6	79	3	US-09-864-408A-2902	Sequence 2902, App	360	42	39.6	194	5	US-10-450-763-38470	Sequence 38470, A
288	43	40.6	113	3	US-09-822-635-9	Sequence 9, Appli	361	42	39.6	202	4	US-10-425-114-37328	Sequence 37328, A
289	43	40.6	113	3	US-09-922-109A-6	Sequence 6, Appli	362	42	39.6	243	5	US-10-506-454-42	Sequence 42, App
290	43	40.6	113	4	US-10-377-097-74	Sequence 74, Appli	363	42	39.6	245	4	US-10-335-977-9001	Sequence 9002, App
291	43	40.6	134	4	US-10-282-122A-44560	Sequence 44560, A	364	42	39.6	246	4	US-10-335-977-9002	Sequence 77, Appl
292	43	40.6	196	4	US-10-425-115-284360	Sequence 284360, A	365	42	39.6	286	5	US-10-908-400A-77	Sequence 77, Appl
293	43	40.6	248	4	US-10-425-115-230586	Sequence 230586, App	366	42	39.6	316	4	US-10-282-122A-59320	Sequence 59320, A
294	43	40.6	396	4	US-10-282-122A-44501	Sequence 44501, A	367	42	39.6	338	3	US-09-881-752A-222	Sequence 222, App
295	43	40.6	396	4	US-10-282-122A-62906	Sequence 62906, A	368	42	39.6	341	4	US-10-335-977-9003	Sequence 9003, App
296	43	40.6	402	4	US-10-087-192-939	Sequence 939, App	369	42	39.6	366	5	US-10-908-400A-76	Sequence 76, Appl
297	43	40.6	415	3	US-09-826-212-6	Sequence 6, Appli	370	42	39.6	367	4	US-10-223-978-7	Sequence 7, Appli
298	43	40.6	415	3	US-09-907-372-20	Sequence 20, Appli	371	42	39.6	367	5	US-10-713-851-7	Sequence 7, Appli
299	43	40.6	415	3	US-09-935-727-8	Sequence 8, Appli	372	42	39.6	394	3	US-09-912-020-247	Sequence 247, App
300	43	40.6	415	3	US-09-917-372-20	Sequence 20, Appli	373	42	39.6	394	3	US-09-845-335-6	Sequence 6, Appli
301	43	40.6	415	4	US-10-186-643-6	Sequence 6, Appli	374	42	39.6	394	3	US-09-815-242-10362	Sequence 10362, A
302	43	40.6	415	4	US-10-418-242-8	Sequence 8, Appli	375	42	39.6	394	3	US-09-815-242-10431	Sequence 10431, A
303	43	40.6	415	5	US-10-943-197-47	Sequence 47, Appli	376	42	39.6	394	4	US-10-282-122A-42799	Sequence 42799, A
304	43	40.6	415	6	US-11-182-946-6	Sequence 6, Appli	377	42	39.6	394	4	US-10-282-122A-42800	Sequence 42800, A
305	43	40.6	416	4	US-10-369-493-21361	Sequence 21361, A	378	42	39.6	394	4	US-10-282-122A-42958	Sequence 42958, A
306	43	40.6	453	4	US-10-425-115-302015	Sequence 302015, App	379	42	39.6	394	4	US-10-282-122A-59928	Sequence 59928, A
307	43	40.6	512	4	US-10-437-963-173493	Sequence 173493, App	380	42	39.6	394	4	US-10-282-122A-59359	Sequence 59359, A
308	43	40.6	589	4	US-10-282-122A-65044	Sequence 65044, A	381	42	39.6	394	4	US-10-282-122A-73245	Sequence 73245, A
309	43	40.6	589	5	US-10-467-657-4826	Sequence 4826, App	382	42	39.6	394	4	US-10-282-122A-75081	Sequence 75081, A
310	43	40.6	590	4	US-10-282-122A-65911	Sequence 65911, App	383	42	39.6	394	4	US-10-282-122A-75705	Sequence 75705, A
311	43	40.6	706	6	US-11-087-099-5254	Sequence 5254, App	384	42	39.6	394	4	US-10-282-122A-75927	Sequence 75927, A
312	43	40.6	708	6	US-11-087-099-8728	Sequence 8728, App	385	42	39.6	394	5	US-10-771-241-247	Sequence 247, App
313	43	40.6	928	4	US-10-437-963-168029	Sequence 168029, App	386	42	39.6	404	6	US-11-097-143-1581	Sequence 1581, App
314	43	40.6	1011	4	US-10-282-122A-48861	Sequence 48861, A	387	42	39.6	407	4	US-10-425-114-41115	Sequence 41115, A
315	43	40.6	1060	6	US-11-079-463-10154	Sequence 10154, A	388	42	39.6	409	3	US-09-815-242-13964	Sequence 13964, A
316	43	40.6	1082	4	US-10-437-963-120557	Sequence 120557, App	389	42	39.6	424	4	US-10-437-963-108513	Sequence 108513, App
317	43	40.6	1119	4	US-10-437-963-120742	Sequence 120742, App	390	42	39.6	440	6	US-11-188-298-10907	Sequence 10907, A
318	43	40.6	1134	4	US-10-437-963-137860	Sequence 137860, App	391	42	39.6	458	4	US-10-156-761-12907	Sequence 12907, A
319	43	40.6	1294	4	US-10-437-963-142067	Sequence 142067, App	392	42	39.6	458	5	US-10-739-930-8147	Sequence 8147, App

393	42	39.6	470	4	US-10-437-963-150937	Sequence 150937,	466	41	38.7	407	6	US-11-172-740-1558	Sequence 1558, Ap
394	42	39.6	528	4	US-10-424-599-146088	Sequence 146088,	467	41	38.7	409	4	US-10-424-599-213091	Sequence 213091,
395	42	39.6	566	4	US-10-425-115-326139	Sequence 326139,	468	41	38.7	409	6	US-11-172-740-1557	Sequence 1557, Ap
396	42	39.6	592	4	US-10-104-047-3366	Sequence 3366, Ap	469	41	38.7	409	6	US-11-172-740-1559	Sequence 1559, Ap
397	42	39.6	592	6	US-11-072-512-3366	Sequence 3366, Ap	470	41	38.7	412	6	US-11-082-389-96	Sequence 96, Appl
398	42	39.6	637	5	US-10-450-763-38472	Sequence 38472, A	471	41	38.7	417	4	US-10-282-122A-58457	Sequence 58457, A
399	42	39.6	646	4	US-10-363-829-399	Sequence 399, App	472	41	38.7	418	4	US-10-282-122A-51849	Sequence 51849, A
400	42	39.6	696	4	US-10-437-963-142030	Sequence 142030,	473	41	38.7	418	6	US-11-096-568A-26218	Sequence 26218, A
401	42	39.6	754	4	US-10-369-493-9240	Sequence 9240, Ap	474	41	38.7	420	6	US-10-282-122A-67136	Sequence 67136, A
402	42	39.6	754	4	US-10-369-493-9385	Sequence 9385, Ap	475	41	38.7	420	6	US-11-097-143-30300	Sequence 30300, A
403	42	39.6	822	5	US-10-450-763-54721	Sequence 54721, A	476	41	38.7	482	4	US-10-310-154-5185	Sequence 518, App
404	42	39.6	822	5	US-10-450-763-59522	Sequence 59522, A	477	41	38.7	488	6	US-11-188-298-585	Sequence 585, App
405	42	39.6	845	4	US-10-072-012-415	Sequence 415, App	478	41	38.7	510	5	US-10-732-923-516	Sequence 516, App
406	42	39.6	941	4	US-10-437-963-189199	Sequence 189199,	479	41	38.7	544	4	US-10-425-114-42064	Sequence 42064, A
407	42	39.6	952	5	US-10-732-923-22409	Sequence 22409, A	480	41	38.7	547	6	US-11-188-298-17427	Sequence 17427, A
408	42	39.6	1079	5	US-10-741-600-935	Sequence 935, App	481	41	38.7	563	4	US-10-724-972A-5570	Sequence 5570, Ap
409	42	39.6	1088	5	US-10-459-876-2	Sequence 2, Appli	482	41	38.7	625	3	US-09-738-626-6787	Sequence 6787, Ap
410	42	39.6	1088	5	US-10-741-600-933	Sequence 933, App	483	41	38.7	800	4	US-10-369-493-6954	Sequence 6954, Ap
411	42	39.6	1088	5	US-10-741-600-936	Sequence 936, App	484	41	38.7	812	4	US-10-369-493-18913	Sequence 18913, A
412	42	39.6	1097	5	US-10-741-600-934	Sequence 934, App	485	41	38.7	814	5	US-10-732-923-6929	Sequence 6929, Ap
413	42	39.6	1232	4	US-10-437-963-189290	Sequence 189290,	486	41	38.7	870	4	US-10-369-493-17551	Sequence 17551, A
414	42	39.6	1281	4	US-10-437-963-178676	Sequence 178676,	487	41	38.7	954	6	US-11-097-143-23598	Sequence 23598, A
415	41.5	39.2	87	4	US-10-424-599-243620	Sequence 243620,	488	41	38.7	1204	4	US-10-437-963-120671	Sequence 120671,
416	41.5	39.2	165	5	US-10-732-923-2389	Sequence 2389, Ap	489	41	38.7	1253	4	US-10-437-963-142083	Sequence 142083,
417	41.5	39.2	179	5	US-10-732-923-17975	Sequence 17975, A	490	41	38.7	1339	6	US-11-097-143-4635	Sequence 4635, Ap
418	41.5	39.2	234	5	US-10-732-923-2374	Sequence 2374, Ap	491	40.5	38.2	108	4	US-10-424-599-203122	Sequence 203122,
419	41	38.7	60	4	US-10-424-599-268167	Sequence 268167,	492	40.5	38.2	176	6	US-11-079-463-10250	Sequence 10250, A
420	41	38.7	72	3	US-09-801-968-27	Sequence 27, Appl	493	40.5	38.2	208	4	US-10-425-115-294666	Sequence 294666,
421	41	38.7	72	3	US-09-802-154-27	Sequence 27, Appl	494	40.5	38.2	230	4	US-10-424-599-201064	Sequence 201064,
422	41	38.7	75	3	US-09-864-761-34941	Sequence 34941, A	495	40.5	38.2	275	5	US-10-425-115-255683	Sequence 255683,
423	41	38.7	76	5	US-10-450-763-37258	Sequence 37258, A	496	40	37.7	35	5	US-10-450-763-34448	Sequence 34448, A
424	41	38.7	113	4	US-10-437-963-147664	Sequence 147664,	497	40	37.7	60	4	US-10-424-599-178551	Sequence 178551,
425	41	38.7	134	5	US-10-425-115-201800	Sequence 201800,	498	40	37.7	61	4	US-10-424-599-255126	Sequence 255126,
426	41	38.7	134	5	US-10-826-157-4	Sequence 4, Appli	499	40	37.7	64	4	US-10-437-963-155063	Sequence 155063,
427	41	38.7	134	5	US-10-467-657-7860	Sequence 7860, Ap	500	40	37.7	70	5	US-10-852-707-132	Sequence 132, App
428	41	38.7	139	3	US-09-901-938-14	Sequence 14, Appl	501	40	37.7	80	4	US-10-424-599-219851	Sequence 219851,
429	41	38.7	139	4	US-10-379-334-14	Sequence 14, Appl	502	40	37.7	93	3	US-09-867-550-590	Sequence 590, App
430	41	38.7	181	3	US-09-902-773A-2	Sequence 2, Appli	503	40	37.7	96	4	US-10-425-115-286866	Sequence 286866,
431	41	38.7	181	3	US-09-425-021-18	Sequence 18, Appl	504	40	37.7	99	5	US-10-852-707-122	Sequence 122, App
432	41	38.7	181	4	US-10-194-443-6	Sequence 6, Appli	505	40	37.7	100	4	US-10-425-115-320133	Sequence 320133,
433	41	38.7	181	4	US-10-372-653-3	Sequence 3, Appli	506	40	37.7	102	4	US-10-437-963-162824	Sequence 162824,
434	41	38.7	181	5	US-10-935-226-2	Sequence 2, Appli	507	40	37.7	103	4	US-10-437-963-116526	Sequence 116526,
435	41	38.7	187	4	US-10-767-701-42387	Sequence 42387, A	508	40	37.7	104	4	US-10-437-963-186325	Sequence 186325,
436	41	38.7	207	3	US-09-778-927A-65	Sequence 65, Appl	509	40	37.7	108	4	US-10-425-115-195421	Sequence 195421,
437	41	38.7	225	4	US-10-437-963-193470	Sequence 193470,	510	40	37.7	111	4	US-10-437-963-164898	Sequence 164898,
438	41	38.7	235	4	US-10-424-599-246746	Sequence 246746,	511	40	37.7	124	4	US-10-767-701-42573	Sequence 42573, A
439	41	38.7	243	3	US-09-822-485-15	Sequence 15, Appl	512	40	37.7	126	5	US-10-852-707-124	Sequence 124, App
440	41	38.7	243	3	US-09-251-263-2	Sequence 2, Appli	513	40	37.7	127	4	US-10-097-340-298	Sequence 298, App
441	41	38.7	243	4	US-10-081-347-21	Sequence 21, Appl	514	40	37.7	127	4	US-10-453-478-12	Sequence 12, Appli
442	41	38.7	243	4	US-10-192-988-25	Sequence 25, Appl	515	40	37.7	127	5	US-10-826-157-6	Sequence 6, Appli
443	41	38.7	243	4	US-10-374-207-15	Sequence 15, Appl	516	40	37.7	127	6	US-11-050-926-298	Sequence 298, App
444	41	38.7	243	4	US-10-315-431-21	Sequence 21, Appl	517	40	37.7	127	6	US-11-205-031-2	Sequence 2, Appli
445	41	38.7	243	4	US-10-347-177-2	Sequence 2, Appli	518	40	37.7	128	4	US-10-767-701-35727	Sequence 35727, A
446	41	38.7	243	4	US-10-031-922-21	Sequence 21, Appl	519	40	37.7	134	4	US-10-424-599-246464	Sequence 246464,
447	41	38.7	243	4	US-10-690-019-8	Sequence 8, Appli	520	40	37.7	137	4	US-10-437-963-159527	Sequence 159527,
448	41	38.7	243	5	US-10-854-485-21	Sequence 21, Appl	521	40	37.7	139	4	US-10-424-599-145514	Sequence 145514,
449	41	38.7	273	4	US-10-437-963-198524	Sequence 198524,	522	40	37.7	145	4	US-10-424-599-157461	Sequence 157461,
450	41	38.7	280	4	US-10-437-963-147661	Sequence 147661,	523	40	37.7	148	4	US-10-282-122A-49010	Sequence 49010, A
451	41	38.7	307	4	US-10-369-493-21477	Sequence 21477, A	524	40	37.7	153	4	US-10-767-701-38709	Sequence 38709, A
452	41	38.7	362	6	US-11-096-568A-26219	Sequence 26219, A	525	40	37.7	161	4	US-10-767-701-43164	Sequence 43164, A
453	41	38.7	394	4	US-10-282-122A-65391	Sequence 65391, A	526	40	37.7	163	3	US-09-925-298-589	Sequence 589, App
454	41	38.7	394	4	US-10-282-122A-65414	Sequence 65414, A	527	40	37.7	163	5	US-10-102-806-589	Sequence 118, App
455	41	38.7	394	4	US-10-282-122A-65628	Sequence 65628, A	528	40	37.7	166	4	US-10-852-707-118	Sequence 118, App
456	41	38.7	394	4	US-10-282-122A-65640	Sequence 65640, A	529	40	37.7	166	4	US-10-437-963-136447	Sequence 136447,
457	41	38.7	394	5	US-10-988-943-22	Sequence 22, Appl	530	40	37.7	168	4	US-10-437-963-192662	Sequence 192662,
458	41	38.7	394	5	US-10-467-657-7966	Sequence 7966, Ap	531	40	37.7	170	5	US-10-852-707-121	Sequence 121, App
459	41	38.7	399	2	US-08-831-310-4	Sequence 4, Appli	532	40	37.7	176	5	US-10-450-763-31199	Sequence 31199, A
460	41	38.7	399	3	US-09-815-242-11415	Sequence 11415, A	533	40	37.7	179	4	US-10-424-599-214639	Sequence 214639,
461	41	38.7	399	4	US-10-039-183A-4	Sequence 4, Appli	534	40	37.7	184	4	US-10-437-963-169529	Sequence 169529,
462	41	38.7	399	4	US-10-282-122A-54328	Sequence 54328, A	535	40	37.7	188	4	US-10-767-701-50337	Sequence 50337, A
463	41	38.7	399	4	US-10-282-122A-58914	Sequence 58914, A	536	40	37.7	193	4	US-10-437-963-195872	Sequence 195872,
464	41	38.7	399	5	US-10-662-126-33	Sequence 33, Appl	537	40	37.7	197	5	US-10-852-707-120	Sequence 120, App
465	41	38.7	399	5	US-10-916-932-7	Sequence 7, Appli	538	40	37.7	198	4	US-10-424-599-268901	Sequence 268901,

539	40	37.7	202	3	US-09-989-442-103	Sequence 103, App	612	40	37.7	511	4	US-10-425-115-273829	Sequence 273829,
540	40	37.7	205	4	US-10-316-253-109	Sequence 109, App	613	40	37.7	519	4	US-10-437-963-183356	Sequence 183356,
541	40	37.7	206	5	US-10-784-004-1168	Sequence 1168, App	614	40	37.7	545	4	US-10-029-386-33143	Sequence 33143, A
542	40	37.7	209	4	US-10-657-740-9	Sequence 9, Appli	615	40	37.7	546	3	US-09-838-469-34	Sequence 34, Appl
543	40	37.7	218	5	US-10-853-707-117	Sequence 117, App	616	40	37.7	546	4	US-10-378-168-34	Sequence 57015, A
544	40	37.7	223	4	US-10-424-599-272704	Sequence 272704, App	617	40	37.7	548	4	US-10-425-114-57015	Sequence 21622, A
545	40	37.7	225	5	US-10-732-923-2360	Sequence 2360, App	618	40	37.7	552	6	US-11-096-568A-21622	Sequence 273831, A
546	40	37.7	247	4	US-10-690-019-11	Sequence 11, Appl	619	40	37.7	554	4	US-10-425-115-273831	Sequence 54911, A
547	40	37.7	249	4	US-10-276-774-2224	Sequence 2224, App	620	40	37.7	558	4	US-10-425-114-64911	Sequence 53777, A
548	40	37.7	257	4	US-10-042-417-40	Sequence 40, Appl	621	40	37.7	558	4	US-10-425-114-53777	Sequence 59669, A
549	40	37.7	257	4	US-10-425-115-263250	Sequence 263250, App	622	40	37.7	558	4	US-10-425-114-59669	Sequence 68733, A
550	40	37.7	257	5	US-10-652-928-40	Sequence 40, Appl	623	40	37.7	575	4	US-10-282-122A-68733	Sequence 146766, A
551	40	37.7	257	5	US-10-632-150-40	Sequence 40, Appl	624	40	37.7	575	4	US-10-424-599-146766	Sequence 52769, A
552	40	37.7	257	6	US-11-073-485-40	Sequence 40, Appl	625	40	37.7	575	4	US-10-425-114-52769	Sequence 36, Appl
553	40	37.7	257	6	US-11-073-470-40	Sequence 40, Appl	626	40	37.7	655	4	US-10-369-022-36	Sequence 195874, A
554	40	37.7	257	6	US-11-073-457-40	Sequence 40, Appl	627	40	37.7	735	4	US-10-757-262-60	Sequence 3204, App
555	40	37.7	257	6	US-11-073-460-40	Sequence 40, Appl	628	40	37.7	735	4	US-10-437-963-195874	Sequence 8204, App
556	40	37.7	270	3	US-09-764-875-755	Sequence 755, App	629	40	37.7	747	4	US-10-128-714-3204	Sequence 2804, App
557	40	37.7	275	4	US-10-425-114-49718	Sequence 49718, A	630	40	37.7	788	4	US-10-128-714-8204	Sequence 28, Appl
558	40	37.7	275	5	US-10-732-923-17813	Sequence 17813, A	631	40	37.7	811	4	US-10-144-194A-26	Sequence 98, Appl
559	40	37.7	276	4	US-10-437-963-132896	Sequence 132896, A	632	40	37.7	811	4	US-10-144-194A-98	Sequence 26, Appl
560	40	37.7	285	6	US-11-097-143-30600	Sequence 30600, A	633	40	37.7	811	5	US-10-491-566-26	Sequence 98, Appl
561	40	37.7	289	4	US-10-437-963-151450	Sequence 151450, A	634	40	37.7	811	5	US-10-491-566-98	Sequence 35, Appl
562	40	37.7	289	5	US-10-450-763-43918	Sequence 43918, A	635	40	37.7	862	6	US-11-182-016-35	Sequence 75, Appl
563	40	37.7	331	4	US-10-425-114-67697	Sequence 67697, A	636	40	37.7	884	4	US-10-250-888-79	Sequence 2, Appli
564	40	37.7	332	4	US-10-425-114-56106	Sequence 56106, A	637	40	37.7	1047	5	US-10-498-584-4	Sequence 4, Appli
565	40	37.7	337	6	US-11-096-568A-31628	Sequence 31628, A	638	40	37.7	1047	6	US-11-124-367A-388	Sequence 388, App
566	40	37.7	358	6	US-11-096-568A-31627	Sequence 31627, A	639	40	37.7	1053	4	US-10-369-493-3278	Sequence 3278, App
567	40	37.7	368	3	US-09-832-355A-74	Sequence 74, Appl	640	40	37.7	1058	6	US-11-124-367A-386	Sequence 386, App
568	40	37.7	380	4	US-10-282-122A-50564	Sequence 50564, A	641	40	37.7	1062	6	US-11-124-367A-387	Sequence 387, App
569	40	37.7	387	4	US-10-425-114-57146	Sequence 57146, A	642	40	37.7	1166	5	US-10-732-923-1230	Sequence 1230, App
570	40	37.7	394	3	US-09-815-242-11059	Sequence 11059, A	643	40	37.7	1166	6	US-11-087-099-2270	Sequence 2270, App
571	40	37.7	394	3	US-09-815-242-11069	Sequence 11069, A	644	40	37.7	1166	6	US-11-188-298-2208	Sequence 2208, App
572	40	37.7	394	4	US-10-282-122A-58225	Sequence 58225, A	645	40	37.7	1167	4	US-10-282-122A-52075	Sequence 52075, A
573	40	37.7	394	4	US-10-282-122A-58244	Sequence 58244, A	646	40	37.7	1170	3	US-09-822-268A-4	Sequence 4, Appli
574	40	37.7	394	4	US-10-282-122A-67254	Sequence 67254, A	647	40	37.7	1170	4	US-10-391-777-4	Sequence 3, Appl
575	40	37.7	394	4	US-10-282-122A-67298	Sequence 67298, A	648	40	37.7	1237	3	US-09-921-159-32	Sequence 32, Appl
576	40	37.7	394	4	US-10-282-122A-77006	Sequence 77006, A	649	40	37.7	1237	3	US-10-024-623-32	Sequence 32, Appl
577	40	37.7	394	4	US-10-282-122A-77021	Sequence 77021, A	650	40	37.7	1237	4	US-10-154-419-82	Sequence 82, Appl
578	40	37.7	396	4	US-10-282-122A-47841	Sequence 47841, A	651	40	37.7	1237	4	US-10-146-733-77	Sequence 77, Appl
579	40	37.7	396	4	US-10-282-122A-49112	Sequence 49112, A	652	40	37.7	1371	4	US-10-437-963-189169	Sequence 189169, A
580	40	37.7	396	4	US-10-282-122A-50484	Sequence 50484, A	653	40	37.7	1749	5	US-10-450-763-31198	Sequence 31198, A
581	40	37.7	396	4	US-10-282-122A-50797	Sequence 50797, A	654	40	37.7	58	4	US-10-282-122A-51698	Sequence 51698, A
582	40	37.7	396	4	US-10-282-122A-50956	Sequence 50956, A	655	39.5	37.3	58	4	US-10-437-963-131445	Sequence 131445, A
583	40	37.7	397	3	US-09-815-242-11995	Sequence 11995, A	656	39.5	37.3	72	4	US-10-437-963-131445	Sequence 289132, A
584	40	37.7	397	3	US-09-815-242-12002	Sequence 12002, A	657	39.5	37.3	108	4	US-10-425-115-289132	Sequence 21889, A
585	40	37.7	397	4	US-10-282-122A-66623	Sequence 66623, A	658	39.5	37.3	156	5	US-10-732-923-21889	Sequence 17769, A
586	40	37.7	397	4	US-10-282-122A-66628	Sequence 66628, A	659	39.5	37.3	183	6	US-11-188-298-17769	Sequence 151827, A
587	40	37.7	415	4	US-10-282-122A-56888	Sequence 56888, A	660	39.5	37.3	433	4	US-10-437-963-151827	Sequence 3177, App
588	40	37.7	415	4	US-10-282-122A-73538	Sequence 73538, A	661	39.5	37.3	434	4	US-10-320-797-3177	Sequence 5644, App
589	40	37.7	416	4	US-10-369-493-360	Sequence 260, App	662	39.5	37.3	485	5	US-10-739-930-5644	Sequence 159024, App
590	40	37.7	416	4	US-10-369-493-31238	Sequence 21238, A	663	39.5	37.3	694	4	US-10-437-963-159024	Sequence 274, App
591	40	37.7	416	4	US-10-282-122A-75314	Sequence 75314, A	664	39.5	37.3	981	4	US-10-221-278-274	Sequence 274, App
592	40	37.7	416	4	US-10-282-122A-76285	Sequence 76285, A	665	39.5	37.3	1825	4	US-10-424-599-142462	Sequence 142462, A
593	40	37.7	417	3	US-09-741-669-358	Sequence 358, App	666	39.5	37.3	1825	4	US-10-437-963-148334	Sequence 187281, A
594	40	37.7	417	4	US-10-369-493-712	Sequence 712, App	667	39.5	37.3	1825	4	US-11-057-047-3	Sequence 3, Appli
595	40	37.7	417	5	US-10-282-122A-42741	Sequence 42741, A	668	39	36.8	49	3	US-10-424-599-174639	Sequence 174639, A
596	40	37.7	417	5	US-10-953-901-266	Sequence 266, App	669	39	36.8	54	4	US-10-424-599-151906	Sequence 151906, A
597	40	37.7	417	5	US-10-953-901-268	Sequence 268, App	670	39	36.8	54	4	US-10-424-599-151906	Sequence 350097, A
598	40	37.7	418	4	US-10-437-963-140089	Sequence 140089, A	671	39	36.8	54	4	US-10-425-115-350097	Sequence 148334, A
599	40	37.7	418	4	US-10-282-122A-78327	Sequence 78327, A	672	39	36.8	60	4	US-10-437-963-148334	Sequence 187281, A
600	40	37.7	428	4	US-10-425-114-41763	Sequence 41763, A	673	39	36.8	70	4	US-10-424-599-187281	Sequence 3, Appli
601	40	37.7	456	6	US-11-096-568A-21624	Sequence 21624, A	674	39	36.8	71	4	US-10-424-599-174639	Sequence 174639, A
602	40	37.7	463	4	US-10-425-115-225002	Sequence 225002, A	675	39	36.8	73	4	US-10-437-963-180339	Sequence 28, Appl
603	40	37.7	476	4	US-10-369-493-5323	Sequence 5323, App	676	39	36.8	78	3	US-09-801-968-28	Sequence 28, Appl
604	40	37.7	478	4	US-10-425-115-224143	Sequence 224143, A	677	39	36.8	78	3	US-09-801-968-28	Sequence 42011, A
605	40	37.7	480	5	US-10-732-923-7501	Sequence 7501, App	678	39	36.8	85	4	US-10-424-599-266646	Sequence 266646, A
606	40	37.7	485	4	US-10-425-115-212769	Sequence 212769, A	679	39	36.8	85	4	US-10-424-599-266646	Sequence 34210, A
607	40	37.7	489	6	US-11-096-568A-31626	Sequence 31626, A	680	39	36.8	92	3	US-09-864-761-34210	Sequence 17112, A
608	40	37.7	496	4	US-10-424-599-229805	Sequence 229805, A	681	39	36.8	92	4	US-10-424-599-167112	Sequence 174983, A
609	40	37.7	498	4	US-10-425-115-224146	Sequence 224146, A	682	39	36.8	93	4	US-10-437-963-174983	Sequence 354613, A
610	40	37.7	504	4	US-10-437-963-169377	Sequence 169377, A	683	39	36.8	93	4	US-10-425-115-354613	Sequence 250513, A
611	40	37.7	504	6	US-11-096-568A-21623	Sequence 21623, A	684	39	36.8	96	4	US-10-425-115-250513	

685	39	36.8	99	4	US-10-425-115-302010	Sequence 302010,	758	39	36.8	245	3	US-09-990-442-495	Sequence 495, App
686	39	36.8	101	4	US-10-425-115-322946	Sequence 322946,	759	39	36.8	245	3	US-09-991-163-495	Sequence 495, App
687	39	36.8	102	4	US-10-425-115-302321	Sequence 302321,	760	39	36.8	245	3	US-09-993-604-495	Sequence 495, App
688	39	36.8	104	4	US-10-094-749-2979	Sequence 2979, Ap	761	39	36.8	245	3	US-09-990-456-495	Sequence 495, App
689	39	36.8	106	5	US-10-450-763-31708	Sequence 31708, A	762	39	36.8	245	3	US-09-989-721-495	Sequence 495, App
690	39	36.8	109	4	US-10-424-599-244262	Sequence 244262,	763	39	36.8	245	3	US-09-992-598-495	Sequence 495, App
691	39	36.8	109	5	US-10-756-149-5475	Sequence 5475, Ap	764	39	36.8	245	3	US-09-989-293A-495	Sequence 495, App
692	39	36.8	112	4	US-10-425-115-330373	Sequence 330373,	765	39	36.8	245	3	US-09-989-735-495	Sequence 495, App
693	39	36.8	113	4	US-10-425-115-228446	Sequence 228446,	766	39	36.8	245	3	US-09-990-444-495	Sequence 495, App
694	39	36.8	117	6	US-11-096-568A-1006	Sequence 1006, Ap	767	39	36.8	245	3	US-09-991-181-495	Sequence 495, App
695	39	36.8	118	3	US-09-864-761-41980	Sequence 41980, A	768	39	36.8	245	3	US-09-989-730-495	Sequence 495, App
696	39	36.8	124	4	US-10-424-599-190621	Sequence 190621,	769	39	36.8	245	3	US-09-990-436-495	Sequence 495, App
697	39	36.8	125	4	US-10-425-114-61946	Sequence 61946, A	770	39	36.8	245	3	US-09-993-687-495	Sequence 495, App
698	39	36.8	133	4	US-10-425-115-291305	Sequence 291305,	771	39	36.8	245	3	US-09-989-734-495	Sequence 495, App
699	39	36.8	139	3	US-09-901-938-16	Sequence 16, Appl	772	39	36.8	245	3	US-09-997-653-495	Sequence 495, App
700	39	36.8	139	4	US-10-379-334-16	Sequence 16, Appl	773	39	36.8	245	3	US-09-989-724-495	Sequence 495, App
701	39	36.8	140	6	US-11-177-509-19	Sequence 19, Appl	774	39	36.8	245	3	US-09-989-728-495	Sequence 495, App
702	39	36.8	140	6	US-11-177-509-20	Sequence 20, Appl	775	39	36.8	245	3	US-09-990-441-495	Sequence 495, App
703	39	36.8	140	6	US-11-177-509-21	Sequence 21, Appl	776	39	36.8	245	3	US-09-993-667-495	Sequence 495, App
704	39	36.8	140	6	US-11-177-509-22	Sequence 22, Appl	777	39	36.8	245	3	US-09-997-428-495	Sequence 495, App
705	39	36.8	140	6	US-11-177-509-23	Sequence 23, Appl	778	39	36.8	245	3	US-09-997-666-495	Sequence 495, App
706	39	36.8	140	6	US-11-177-509-24	Sequence 24, Appl	779	39	36.8	245	3	US-09-990-438-495	Sequence 495, App
707	39	36.8	140	6	US-11-177-509-25	Sequence 25, Appl	780	39	36.8	245	3	US-09-990-562-495	Sequence 495, App
708	39	36.8	140	6	US-11-177-509-26	Sequence 26, Appl	781	39	36.8	245	3	US-09-990-711-495	Sequence 495, App
709	39	36.8	140	6	US-11-177-509-27	Sequence 27, Appl	782	39	36.8	245	3	US-09-989-726-495	Sequence 495, App
710	39	36.8	140	6	US-11-177-509-28	Sequence 28, Appl	783	39	36.8	245	3	US-09-998-156-495	Sequence 495, App
711	39	36.8	140	6	US-11-177-509-29	Sequence 29, Appl	784	39	36.8	245	3	US-09-990-437-495	Sequence 495, App
712	39	36.8	140	6	US-11-177-509-30	Sequence 30, Appl	785	39	36.8	245	3	US-09-991-157-495	Sequence 495, App
713	39	36.8	140	6	US-11-177-509-31	Sequence 31, Appl	786	39	36.8	245	3	US-09-997-514-495	Sequence 495, App
714	39	36.8	140	6	US-11-177-509-32	Sequence 32, Appl	787	39	36.8	245	3	US-09-997-573-495	Sequence 495, App
715	39	36.8	140	6	US-11-177-509-33	Sequence 33, Appl	788	39	36.8	245	3	US-09-991-172-495	Sequence 495, App
716	39	36.8	141	4	US-10-437-963-130149	Sequence 130149,	789	39	36.8	245	3	US-09-990-726-495	Sequence 495, App
717	39	36.8	142	4	US-10-425-115-351660	Sequence 351660,	790	39	36.8	245	3	US-09-997-559-495	Sequence 495, App
718	39	36.8	143	4	US-10-425-115-291395	Sequence 291395,	791	39	36.8	245	3	US-09-997-601-495	Sequence 495, App
719	39	36.8	148	4	US-10-425-115-198895	Sequence 188895,	792	39	36.8	245	3	US-09-990-443-495	Sequence 495, App
720	39	36.8	152	5	US-10-732-923-21875	Sequence 21875, A	793	39	36.8	245	3	US-09-991-854-495	Sequence 495, App
721	39	36.8	152	6	US-11-188-298-20872	Sequence 20872, A	794	39	36.8	245	3	US-09-997-628-495	Sequence 495, App
722	39	36.8	157	5	US-10-732-923-21874	Sequence 21874, A	795	39	36.8	245	3	US-09-997-683-495	Sequence 495, App
723	39	36.8	157	6	US-11-188-298-10385	Sequence 10385, A	796	39	36.8	245	3	US-09-989-729A-495	Sequence 495, App
724	39	36.8	160	5	US-10-370-715B-710	Sequence 710, App	797	39	36.8	245	3	US-09-997-340-495	Sequence 495, App
725	39	36.8	162	4	US-10-437-963-114927	Sequence 114927,	798	39	36.8	245	3	US-09-997-449-495	Sequence 495, App
726	39	36.8	168	3	US-09-764-853-656	Sequence 656, App	799	39	36.8	245	3	US-09-990-440-495	Sequence 495, App
727	39	36.8	172	4	US-10-425-114-41581	Sequence 41581, A	800	39	36.8	245	3	US-09-997-857-495	Sequence 495, App
728	39	36.8	172	4	US-10-437-963-128545	Sequence 128545,	801	39	36.8	245	3	US-09-993-469-495	Sequence 495, App
729	39	36.8	181	3	US-09-801-944B-182	Sequence 182, App	802	39	36.8	245	3	US-09-997-542-495	Sequence 495, App
730	39	36.8	184	4	US-10-424-599-149936	Sequence 149936,	803	39	36.8	245	3	US-09-993-748-495	Sequence 495, App
731	39	36.8	190	4	US-10-424-599-152535	Sequence 152535,	804	39	36.8	245	3	US-09-990-439-495	Sequence 495, App
732	39	36.8	192	5	US-10-450-763-36942	Sequence 36942, A	805	39	36.8	245	3	US-09-990-427-495	Sequence 495, App
733	39	36.8	197	4	US-10-040-916-6	Sequence 6, Appli	806	39	36.8	245	3	US-09-989-328-495	Sequence 495, App
734	39	36.8	201	4	US-10-425-115-286663	Sequence 286663,	807	39	36.8	245	3	US-09-993-583-495	Sequence 495, App
735	39	36.8	202	6	US-11-087-099-5150	Sequence 5150, Ap	808	39	36.8	245	3	US-09-941-992-495	Sequence 495, App
736	39	36.8	203	4	US-10-296-115-978	Sequence 978, App	809	39	36.8	245	3	US-09-992-521-495	Sequence 495, App
737	39	36.8	203	5	US-10-739-930-9813	Sequence 9813, Ap	810	39	36.8	245	3	US-09-997-333-495	Sequence 495, App
738	39	36.8	209	5	US-10-501-282-5554	Sequence 5354, Ap	811	39	36.8	245	3	US-09-997-384-495	Sequence 495, App
739	39	36.8	213	3	US-09-965-528-19	Sequence 19, Appl	812	39	36.8	245	3	US-09-993-041-495	Sequence 495, App
740	39	36.8	213	3	US-09-969-984-19	Sequence 19, Appl	813	39	36.8	245	3	US-09-997-585-495	Sequence 495, App
741	39	36.8	214	4	US-10-424-599-252812	Sequence 252812,	814	39	36.8	245	3	US-09-997-614-495	Sequence 495, App
742	39	36.8	223	4	US-10-282-122A-61398	Sequence 61398, A	815	39	36.8	245	3	US-09-989-862-495	Sequence 495, App
743	39	36.8	231	4	US-10-425-115-361167	Sequence 361167,	816	39	36.8	245	3	US-09-997-529-495	Sequence 495, App
744	39	36.8	239	5	US-10-450-763-31709	Sequence 31709, A	817	39	36.8	245	3	US-09-989-725-495	Sequence 495, App
745	39	36.8	241	4	US-10-425-115-319969	Sequence 319969,	818	39	36.8	245	3	US-09-991-150-495	Sequence 495, App
746	39	36.8	243	4	US-10-690-019-1	Sequence 1, Appli	819	39	36.8	245	3	US-09-997-641-495	Sequence 495, App
747	39	36.8	244	3	US-09-820-596-10	Sequence 10, Appl	820	39	36.8	245	3	US-09-989-733-495	Sequence 495, App
748	39	36.8	244	5	US-10-739-930-10175	Sequence 10175, A	821	39	36.8	245	3	US-09-992-643-495	Sequence 495, App
749	39	36.8	244	6	US-11-097-143-22785	Sequence 22785, A	822	39	36.8	245	4	US-10-066-500-11	Sequence 11, Appl
750	39	36.8	245	3	US-09-822-485-16	Sequence 16, Appl	823	39	36.8	245	4	US-10-001-054-46	Sequence 46, Appl
751	39	36.8	245	3	US-09-989-722-495	Sequence 495, App	824	39	36.8	245	4	US-10-028-072-28	Sequence 28, Appl
752	39	36.8	245	3	US-09-989-723-495	Sequence 495, App	825	39	36.8	245	4	US-10-081-347-24	Sequence 24, Appl
753	39	36.8	245	3	US-09-989-279-495	Sequence 495, App	826	39	36.8	245	4	US-10-140-808-280	Sequence 280, App
754	39	36.8	245	3	US-09-989-727-495	Sequence 495, App	827	39	36.8	245	4	US-10-121-049-280	Sequence 280, App
755	39	36.8	245	3	US-09-989-731-495	Sequence 495, App	828	39	36.8	245	4	US-10-123-904-280	Sequence 280, App
756	39	36.8	245	3	US-09-989-732-495	Sequence 495, App	829	39	36.8	245	4	US-10-140-470-280	Sequence 280, App
757	39	36.8	245	3	US-09-991-073-495	Sequence 495, App	830	39	36.8	245	4	US-10-175-746-280	Sequence 280, App

977 39 36.8 245 4 US-10-152-380-280 Sequence 280, App
978 39 36.8 245 4 US-10-153-934-280 Sequence 280, App
979 39 36.8 245 4 US-10-140-807-280 Sequence 280, App
980 39 36.8 245 4 US-10-140-924-280 Sequence 280, App
981 39 36.8 245 4 US-10-140-926-280 Sequence 280, App
982 39 36.8 245 4 US-10-141-698-280 Sequence 280, App
983 39 36.8 245 4 US-10-141-702-280 Sequence 280, App
984 39 36.8 245 4 US-10-141-704-280 Sequence 280, App
985 39 36.8 245 4 US-10-142-421-280 Sequence 280, App
986 39 36.8 245 4 US-10-142-432-280 Sequence 280, App
987 39 36.8 245 4 US-10-142-767-280 Sequence 280, App
988 39 36.8 245 4 US-10-143-033-280 Sequence 280, App
989 39 36.8 245 4 US-10-144-994-280 Sequence 280, App
990 39 36.8 245 4 US-10-145-628-280 Sequence 280, App
991 39 36.8 245 4 US-10-145-746-280 Sequence 280, App
992 39 36.8 245 4 US-10-145-748-280 Sequence 280, App
993 39 36.8 245 4 US-10-145-823-280 Sequence 280, App
994 39 36.8 245 4 US-10-145-826-280 Sequence 280, App
995 39 36.8 245 4 US-10-145-870-280 Sequence 280, App
996 39 36.8 245 4 US-10-145-878-280 Sequence 280, App
997 39 36.8 245 4 US-10-145-959-280 Sequence 280, App
998 39 36.8 245 4 US-10-146-724-280 Sequence 280, App
999 39 36.8 245 4 US-10-146-725-280 Sequence 280, App
1000 39 36.8 245 4 US-10-146-795-280 Sequence 280, App

ALIGNMENTS

RESULT 1
US-10-789-222-1
; Sequence 1, Application US/10789222
; Publication No. US20040186054A1
; GENERAL INFORMATION:
; APPLICANT: Yu, Qin
; TITLE OF INVENTION: Angiopoietin and Fragments, Mutants, and Analogs Thereof and Uses
; FILE REFERENCE: of the Same
; CURRENT APPLICATION NUMBER: US/10789,222
; PRIOR FILING DATE: 2004-02-27
; PRIOR APPLICATION NUMBER: US 60/450,582
; PRIOR FILING DATE: 2003-02-27
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-789-222-1

Query Match 100.0%; Score 106; DB 4; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.7e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LCTKEGVLLKGGKREEEKPF 20
| | | | | | | | | | | | | | | | | | | | | |
Db 1 LCTKEGVLLKGGKREEEKPF 20

RESULT 2
US-10-789-222-2
; Sequence 2, Application US/10789222
; Publication No. US20040186054A1
; GENERAL INFORMATION:
; APPLICANT: Yu, Qin
; TITLE OF INVENTION: Angiopoietin and Fragments, Mutants, and Analogs Thereof and Uses
; FILE REFERENCE: of the Same
; CURRENT APPLICATION NUMBER: US/10789,222
; PRIOR FILING DATE: 2004-02-27
; PRIOR APPLICATION NUMBER: US 60/450,582
; PRIOR FILING DATE: 2003-02-27
; NUMBER OF SEQ ID NOS: 36

; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2
; LENGTH: 20
; TYPE: PRT
; ORGANISM: mouse
US-10-789-222-2

Query Match 100.0%; Score 106; DB 4; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.7e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LCTKEGVLLKGGKREEEKPF 20
| | | | | | | | | | | | | | | | | | | | | |
Db 1 LCTKEGVLLKGGKREEEKPF 20

RESULT 3
US-09-832-355A-18
; Sequence 18, Application US/09832355A
; Publication No. US20030027751A1
; GENERAL INFORMATION:
; APPLICANT: Kovessdi, Imre
; APPLICANT: Kessler, Paul
; TITLE OF INVENTION: VEGF FUSION PROTEINS
; FILE REFERENCE: 205654
; CURRENT APPLICATION NUMBER: US/09/832,355A
; CURRENT FILING DATE: 2001-04-10
; NUMBER OF SEQ ID NOS: 126
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 18
; LENGTH: 235
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-832-355A-18

Query Match 100.0%; Score 106; DB 3; Length 235;
Best Local Similarity 100.0%; Pred. No. 2.5e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LCTKEGVLLKGGKREEEKPF 20
| | | | | | | | | | | | | | | | | | | | | |
Db 215 LCTKEGVLLKGGKREEEKPF 234

RESULT 4
US-10-273-180-2
; Sequence 2, Application US/10273180
; Publication No. US20030220476A1
; GENERAL INFORMATION:
; APPLICANT: KOH, Gou Young
; TITLE OF INVENTION: CHIMERIC COILED COIL MOLECULES
; FILE REFERENCE: 10010-00001
; CURRENT APPLICATION NUMBER: US/10/273,180
; CURRENT FILING DATE: 2002-10-18
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 260
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-273-180-2

Query Match 100.0%; Score 106; DB 4; Length 260;
Best Local Similarity 100.0%; Pred. No. 2.8e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LCTKEGVLLKGGKREEEKPF 20
| | | | | | | | | | | | | | | | | | | | | |
Db 27 LCTKEGVLLKGGKREEEKPF 46

RESULT 5
US-11-284-465-2

```

; Sequence 2, Application US/11284455
; Publication No. US20060074230A1
; GENERAL INFORMATION:
;
; APPLICANT: KOH, Gou Young
;
; TITLE OF INVENTION: CHEMIC COILED COIL MOLECULES
;
; FILE REFERENCE: 10010-00001
;
; CURRENT APPLICATION NUMBER: US/11/284,465
;
; CURRENT FILING DATE: 2005-11-21
;
; PRIOR APPLICATION NUMBER: US/10/273,180
;
; PRIOR FILING DATE: 2002-10-18
;
; NUMBER OF SEQ ID NOS: 30
;
; SOFTWARE: PatentIn version 3.1
;
; SEQ ID NO 2
;
; LENGTH: 260
;
; TYPE: PRT
;
; ORGANISM: Homo sapiens
;
; US-11-284-465-2

```

Query Match	100.0%;	Score 106;	DB 6;	Length 260;
Best Local Similarity	100.0%;	Pred. No. 2.8e-08;		
Matches 20;	Conservative	0;	Mismatches 0;	Indels 0;
				Gaps 0;

Qy 1 LCTKEGVLLKGGKREEKPF 20
Db 27 LCTKEGVLLKGGKREEKPF 46

```

RESULT 6
US-10-273-180-4
; Sequence 4, Application US/10273180
; Publication No. US20030220476A1
; GENERAL INFORMATION:
; APPLICANT: KOH, Gou Young
; TITLE OF INVENTION: CHIMERIC COILED COIL MOLECULES
; FILE REFERENCE: 10010-00001
; CURRENT APPLICATION NUMBER: US/10/273,180
; CURRENT FILING DATE: 2002-10-18
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 298
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-273-180-4

```

Query Match	100.0%;	Score 106;	DB 4;	Length 298;
Best Local Similarity	100.0%;	Pred. No. 3.2e-08;		
Matches 20:	Conservative	0;	Mismatches 0;	Gaps 0;
			Indels	0;

Qy 1 LCTKEGVLLKGGKREEKPF 20
|||
Db 64 LCTKEGVLLKGGKREEKPF 83

```

RESULT 7
US-11-284-465-4
; Sequence 4, Application US/11284465
; Publication No. US20060074230A1
; GENERAL INFORMATION:
; APPLICANT: KOH Gou Young
; TITLE OF INVENTION: CHIMERIC COILED COIL MOLECULES
; FILE REFERENCE: 10010-00001
; CURRENT APPLICATION NUMBER: US/11/284,465
; CURRENT FILING DATE: 2005-11-21
; PRIOR APPLICATION NUMBER: US/10/273,180
; PRIOR FILING DATE: 2002-10-18
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 298
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-284-465-4

```

Query Match 100.0%; Score 106; DB 6; Length 298;
Best Local Similarity 100.0%; Pred. No. 3.2e-08;
Matches 20; Conservative 0; Mismatches 0; Indels

Qy 1 LCTKEGVLLKGGKREEKPF 20
|||
Db 64 LCTKEGVLLKGGKREEKPF 83

```

RESULT 8
US-10-273-180-6
; Sequence 6, Application US/10273180
; Publication No. US20030220476A1
; GENERAL INFORMATION:
; APPLICANT: KOH, Gou Young
; TITLE OF INVENTION: CHIMERIC COILED COIL MOLECULES
; FILE REFERENCE: 10010-00001
; CURRENT APPLICATION NUMBER: US/10/273,180
; CURRENT FILING DATE: 2002-10-18
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 309
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-273-180-6

```

Query Match	100.0%;	Score 106;	DB 4;	Length 309;
Best Local Similarity	100.0%;	Pred. No. 3.3e-08;		
Matches 20;	Conservative	0;	Mismatches 0;	Indels 0;
				Gaps 0;

Qy 1 LCTKEGVLLKGGKREEKPF 20
|||
Db 75 LCTKEGVLLKGGKREEKPF 94

```

RESULT 9
US-11-284-465-6
; Sequence 6, Application US/11284465
; Publication No. US2006074230A1
; GENERAL INFORMATION:
; APPLICANT: KOH, Gou Young
; TITLE OF INVENTION: CHIMERIC COILED COIL MOLECULES
; FILE REFERENCE: 10010-00001
; CURRENT APPLICATION NUMBER: US/11/284,465
; CURRENT FILING DATE: 2005-11-21
; PRIOR APPLICATION NUMBER: US/10/273,180
; PRIOR FILING DATE: 2002-10-18
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 309
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-284-465-6

```

Query Match	100.0%;	Score 106;	DB 6;	Length 309;
Best Local Similarity	100.0%;	Pred. No. 3.3e-08;		
Matches 20:	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;

Qy 1 LCTKEGVLLKGGKREEKPF 20
|||
Db 75 LCTKEGVLLKGGKREEKPF 94

```

RESULT 10
US-10-273-180-8
; Sequence 8, Application US/10273180
; Publication No. US20030220476A1
; GENERAL INFORMATION:
; APPLICANT: KOH, Gou Young
; TITLE OF INVENTION: CHIMERIC COILED COIL MOLECULES

```

FILE REFERENCE: 10010-00001
CURRENT APPLICATION NUMBER: US/10/273,180
CURRENT FILING DATE: 2002-10-18
NUMBER OF SEQ ID NOS: 30
SOFTWARE: PatentIn version 3.1
SEQ ID NO 8
LENGTH: 312
TYPE: PRT
ORGANISM: Homo sapiens
US-10-273-180-8

Query Match 100.0%; Score 106; DB 4; Length 312;
Best Local Similarity 100.0%; Pred. No. 3.4e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LCTKEGVLKGGKREEEKPF 20
Db 78 LCTKEGVLKGGKREEEKPF 97

RESULT 11
US-11-284-465-8
Sequence 8, Application US/11284465
Publication No. US20060074230A1
GENERAL INFORMATION:
APPLICANT: KOH, Gou Young
TITLE OF INVENTION: CHIMERIC COILED COIL MOLECULES
FILE REFERENCE: 10010-00001
CURRENT APPLICATION NUMBER: US/11/284,465
CURRENT FILING DATE: 2005-11-21
PRIOR APPLICATION NUMBER: US/10/273,180
PRIOR FILING DATE: 2002-10-18
NUMBER OF SEQ ID NOS: 30
SOFTWARE: PatentIn version 3.1
SEQ ID NO 8
LENGTH: 312
TYPE: PRT
ORGANISM: Homo sapiens
US-11-284-465-8

Query Match 100.0%; Score 106; DB 6; Length 312;
Best Local Similarity 100.0%; Pred. No. 3.4e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LCTKEGVLKGGKREEEKPF 20
Db 78 LCTKEGVLKGGKREEEKPF 97

RESULT 12
US-10-367-259A-36
Sequence 36, Application US/10367259A
Publication No. US20030220250A1
GENERAL INFORMATION:
APPLICANT: ELLIS, LEE M.
TITLE OF INVENTION: ANGIOPOIETIN-1 IN THE TREATMENT OF DISEASE
FILE REFERENCE: UTSC:698US
CURRENT APPLICATION NUMBER: US/10/367,259A
CURRENT FILING DATE: 2003-02-14
PRIOR APPLICATION NUMBER: 60/356,809
PRIOR FILING DATE: 2002-02-14
NUMBER OF SEQ ID NOS: 56
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 36
LENGTH: 402
TYPE: PRT
ORGANISM: Homo sapiens
US-10-367-259A-36

Query Match 100.0%; Score 106; DB 4; Length 402;
Best Local Similarity 100.0%; Pred. No. 4.4e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LCTKEGVLKGGKREEEKPF 20
Db 264 LCTKEGVLKGGKREEEKPF 283

RESULT 13
US-11-019-829-115
Sequence 115, Application US/11019829
Publication No. US20050136465A1
GENERAL INFORMATION:
APPLICANT: Hoffmann-La Roche Inc.
TITLE OF INVENTION: Novel targets for obesity from subcutaneous fat
FILE REFERENCE: 22304
CURRENT APPLICATION NUMBER: US/11/019,829
CURRENT FILING DATE: 2004-12-22
NUMBER OF SEQ ID NOS: 146
SOFTWARE: PatentIn version 3.2
SEQ ID NO 115
LENGTH: 402
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: angiopoietin 1 variant 2
LOCATION: (1)-(402)
OTHER INFORMATION: LocusID: 284; NM_139290
US-11-019-829-115

Query Match 100.0%; Score 106; DB 6; Length 402;
Best Local Similarity 100.0%; Pred. No. 4.4e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LCTKEGVLKGGKREEEKPF 20
Db 264 LCTKEGVLKGGKREEEKPF 283

RESULT 14
US-10-789-222-7
Sequence 7, Application US/10789222
Publication No. US20040186054A1
GENERAL INFORMATION:
APPLICANT: Yu, Qin
TITLE OF INVENTION: Angiopoietin and Fragments, Mutants, and Analogs Thereof and Uses
FILE REFERENCE: UPN0003-100 (F3115)
CURRENT APPLICATION NUMBER: US/10/789,222
CURRENT FILING DATE: 2004-02-27
PRIOR APPLICATION NUMBER: US 60/450,582
PRIOR FILING DATE: 2003-02-27
NUMBER OF SEQ ID NOS: 36
SOFTWARE: PatentIn version 3.2
SEQ ID NO 7
LENGTH: 456
TYPE: PRT
ORGANISM: Homo sapiens
US-10-789-222-7

Query Match 100.0%; Score 106; DB 4; Length 456;
Best Local Similarity 100.0%; Pred. No. 5.1e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LCTKEGVLKGGKREEEKPF 20
Db 222 LCTKEGVLKGGKREEEKPF 241

RESULT 15
US-10-789-222-8
Sequence 8, Application US/10789222
Publication No. US20040186054A1
GENERAL INFORMATION:
APPLICANT: Yu, Qin
TITLE OF INVENTION: Angiopoietin and Fragments, Mutants, and Analogs Thereof and Uses

```

1  GENERAL INFORMATION:
2  APPLICANT: DAVIS et al.
3  TITLE OF INVENTION: Expressed Ligand - Vascular Intercellular Signaling
4  TITLE OF INVENTION: Molecule
5  FILE REFERENCE: REG 333-Z
6  CURRENT APPLICATION NUMBER: US/10/225,060
7  CURRENT FILING DATE: 2002-08-21
8  PRIOR APPLICATION NUMBER: US/09/709,188
9  PRIOR FILING DATE: 2000-11-09
10 PRIOR APPLICATION NUMBER: 08/740,223
11 PRIOR FILING DATE: 1996-10-25
12 NUMBER OF SEQ ID NOS: 30
13 SOFTWARE: PatentIn version 3.1
14 SEQ ID NO 26
15 LENGTH: 495
16 TYPE: PRT
17 ORGANISM: Artificial Sequence
18 FEATURE:
19 OTHER INFORMATION: Description of Artificial Sequence: Chimeric

```



```

; FEATURE:
; OTHER INFORMATION: 2N1C1F (chimera 4)
US-10-225-060-26

Query Match      100.0%; Score 106; DB 4; Length 495;
Best Local Similarity 100.0%; Pred. No. 5.6e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LCTKEGVLLKGGKREKPPF 20
Db 261 LCTKEGVLLKGGKREKPPF 280

RESULT 20
US-10-928-911-26
; Sequence 26, Application US/10928911
; Publication No. US20050106099A1
; GENERAL INFORMATION:
; APPLICANT: Davis, Samuel
; TITLE OF INVENTION: Expressed Ligand - Vascular
; FILE REFERENCE: REG 333X
; CURRENT APPLICATION NUMBER: US/10/928,911
; PRIOR FILING DATE: 2004-08-27
; PRIOR APPLICATION NUMBER: 10/225,060
; PRIOR FILING DATE: 2002-08-21
; PRIOR APPLICATION NUMBER: 09/709,188
; PRIOR FILING DATE: 2000-11-09
; PRIOR APPLICATION NUMBER: 08/740,223
; PRIOR FILING DATE: 1996-10-25
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 26
; LENGTH: 495
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-928-911-26

Query Match      100.0%; Score 106; DB 5; Length 495;
Best Local Similarity 100.0%; Pred. No. 5.6e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LCTKEGVLLKGGKREKPPF 20
Db 261 LCTKEGVLLKGGKREKPPF 280

RESULT 21
US-11-073-120-26
; Sequence 26, Application US/11073120
; Publication No. US20050186665A1
; GENERAL INFORMATION:
; APPLICANT: Davis, Samuel
; TITLE OF INVENTION: Expressed Ligand - Vascular
; FILE REFERENCE: REG 333X
; CURRENT APPLICATION NUMBER: US/11/073,120
; PRIOR FILING DATE: 2005-03-04
; PRIOR APPLICATION NUMBER: 10/225,060
; PRIOR FILING DATE: 2002-08-21
; PRIOR APPLICATION NUMBER: 09/709,188
; PRIOR FILING DATE: 2000-11-09
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 26
; LENGTH: 495
; TYPE: PRT
; ORGANISM: Homo sapien
US-11-073-120-26

Query Match      100.0%; Score 106; DB 6; Length 495;
Best Local Similarity 100.0%; Pred. No. 5.6e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LCTKEGVLLKGGKREKPPF 20
Db 261 LCTKEGVLLKGGKREKPPF 280

RESULT 22
US-10-225-060-14
; Sequence 14, Application US/10225060
; Publication No. US20030092891A1
; GENERAL INFORMATION:
; APPLICANT: Davis et al.
; TITLE OF INVENTION: Expressed Ligand - Vascular Intercellular Signaling
; FILE REFERENCE: REG 333-Z
; CURRENT APPLICATION NUMBER: US/10/225,060
; PRIOR FILING DATE: 2002-08-21
; PRIOR APPLICATION NUMBER: US/09/709,188
; PRIOR FILING DATE: 2000-11-09
; PRIOR APPLICATION NUMBER: 08/740,223
; PRIOR FILING DATE: 1996-10-25
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 14
; LENGTH: 497
; TYPE: PRT
; ORGANISM: Mus sp.
US-10-225-060-14

Query Match      100.0%; Score 106; DB 4; Length 497;
Best Local Similarity 100.0%; Pred. No. 5.6e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LCTKEGVLLKGGKREKPPF 20
Db 263 LCTKEGVLLKGGKREKPPF 282

RESULT 23
US-10-928-911-14
; Sequence 14, Application US/10928911
; Publication No. US20050106099A1
; GENERAL INFORMATION:
; APPLICANT: Davis, Samuel
; TITLE OF INVENTION: Expressed Ligand - Vascular
; FILE REFERENCE: REG 333X
; CURRENT APPLICATION NUMBER: US/10/928,911
; PRIOR FILING DATE: 2004-08-27
; PRIOR APPLICATION NUMBER: 10/225,060
; PRIOR FILING DATE: 2002-08-21
; PRIOR APPLICATION NUMBER: 09/709,188
; PRIOR FILING DATE: 2000-11-09
; PRIOR APPLICATION NUMBER: 08/740,223
; PRIOR FILING DATE: 1996-10-25
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14
; LENGTH: 497
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-928-911-14

Query Match      100.0%; Score 106; DB 5; Length 497;
Best Local Similarity 100.0%; Pred. No. 5.6e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LCTKEGVLLKGGKREKPPF 20
Db 263 LCTKEGVLLKGGKREKPPF 282

```



```

; ORGANISM: Homo sapiens
US-09-998-833-2
Query Match      100.0%; Score 106; DB 3; Length 498;
Best Local Similarity 100.0%; Pred. No. 5.6e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LCTKEGVLKGGKREKPF 20
   |||||
DB 264 LCTKEGVLKGGKREKPF 283

RESULT 29
US-10-179-744-2
; Sequence 2, Application US/10179744
; Publication No. US20020173627A1
; GENERAL INFORMATION:
; APPLICANT: Davis, Samuel et al.
; TITLE OF INVENTION: TIE-2 LIGANDS, METHODS OF MAKING AND USES THEREOF
; FILE REFERENCE: REG 330-F-PCT-US
; CURRENT APPLICATION NUMBER: US/10/179,744
; CURRENT FILING DATE: 2002-06-24
; PRIOR APPLICATION NUMBER: US/08/817,318
; PRIOR FILING DATE: 1999-09-16
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 498
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Unknown Organism
US-10-179-744-2

Query Match      100.0%; Score 106; DB 4; Length 498;
Best Local Similarity 100.0%; Pred. No. 5.6e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LCTKEGVLKGGKREKPF 20
   |||||
DB 264 LCTKEGVLKGGKREKPF 283

RESULT 30
US-10-186-817-2
; Sequence 2, Application US/10186817
; Publication No. US20030040463A1
; GENERAL INFORMATION:
; APPLICANT: Davis, Samuel et al.
; TITLE OF INVENTION: Tie-2 Ligands, Methods of Making and Uses Thereof
; FILE REFERENCE: REG 330-G-PCT-US
; CURRENT APPLICATION NUMBER: US/10/186,817
; CURRENT FILING DATE: 2002-07-01
; PRIOR APPLICATION NUMBER: US/09/930,721
; PRIOR FILING DATE: 1998-03-10
; PRIOR APPLICATION NUMBER: PCT/US96/04806
; PRIOR FILING DATE: 1996-04-05
; PRIOR APPLICATION NUMBER: PCT/US95/12935
; PRIOR FILING DATE: 1995-10-06
; PRIOR APPLICATION NUMBER: 08/418,595
; PRIOR FILING DATE: 1996-04-05
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 498
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-186-817-2

Query Match      100.0%; Score 106; DB 4; Length 498;
Best Local Similarity 100.0%; Pred. No. 5.6e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 LCTKEGVLKGGKREKPF 20
   |||||
DB 264 LCTKEGVLKGGKREKPF 283

RESULT 31
US-10-215-224-5
; Sequence 5, Application US/10215224
; Publication No. US20030059887A1
; GENERAL INFORMATION:
; APPLICANT: Valenzuela et al.
; TITLE OF INVENTION: NOVEL LIGANDS, METHODS OF MAKING AND USES THEREOF
; FILE REFERENCE: REG330-K
; CURRENT APPLICATION NUMBER: US/10/215,224
; CURRENT FILING DATE: 2002-08-08
; PRIOR APPLICATION NUMBER: US/09/202,491
; PRIOR FILING DATE: 1998-11-16
; PRIOR APPLICATION NUMBER: PCT/US97/10728
; PRIOR FILING DATE: 1997-06-19
; PRIOR APPLICATION NUMBER: 60/022,999
; PRIOR FILING DATE: 1996-08-02
; PRIOR APPLICATION NUMBER: 60/021,087
; PRIOR FILING DATE: 1996-07-02
; PRIOR APPLICATION NUMBER: 08/665,926
; PRIOR FILING DATE: 1996-06-19
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 498
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-215-224-5

Query Match      100.0%; Score 106; DB 4; Length 498;
Best Local Similarity 100.0%; Pred. No. 5.6e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LCTKEGVLKGGKREKPF 20
   |||||
DB 264 LCTKEGVLKGGKREKPF 283

RESULT 32
US-10-215-224-6
; Sequence 6, Application US/10215224
; Publication No. US20030059887A1
; GENERAL INFORMATION:
; APPLICANT: Valenzuela et al.
; TITLE OF INVENTION: NOVEL LIGANDS, METHODS OF MAKING AND USES THEREOF
; FILE REFERENCE: REG330-K
; CURRENT APPLICATION NUMBER: US/10/215,224
; CURRENT FILING DATE: 2002-08-08
; PRIOR APPLICATION NUMBER: US/09/202,491
; PRIOR FILING DATE: 1998-11-16
; PRIOR APPLICATION NUMBER: PCT/US97/10729
; PRIOR FILING DATE: 1997-06-19
; PRIOR APPLICATION NUMBER: 60/022,999
; PRIOR FILING DATE: 1996-08-02
; PRIOR APPLICATION NUMBER: 60/021,087
; PRIOR FILING DATE: 1996-07-02
; PRIOR APPLICATION NUMBER: 08/665,926
; PRIOR FILING DATE: 1996-06-19
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 498
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-215-224-6

Query Match      100.0%; Score 106; DB 4; Length 498;
Best Local Similarity 100.0%; Pred. No. 5.6e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

Qy 1 LCTKEGVLLKGGKREEEKP 20
Db 264 LCTKEGVLLKGGKREEEKP 283

RESULT 37
US-10-321-332-2
; Sequence 2, Application US/10321332
; Publication No. US20030109677A1
; GENERAL INFORMATION:
; APPLICANT: Davis, et al.
; TITLE OF INVENTION: TIE-2 LIGAND, METHOD OF MAKING AND USES THEREOF
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Regeneron Pharmaceuticals, Inc.
; STREET: 777 Old Saw Mill River Road
; CITY: Tarrytown
; STATE: New York
; COUNTRY: USA
; ZIP: 10591
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/321,332
; FILING DATE: 17-Dec-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/373,579
; FILING DATE: 17-JAN-1995
; APPLICATION NUMBER: US 08/353,503
; FILING DATE: 09-DEC-1994
; APPLICATION NUMBER: US 08/348,492
; FILING DATE: 02-DEC-1994
; APPLICATION NUMBER: US 08/330,261
; FILING DATE: 27-OCT-1994
; APPLICATION NUMBER: US 08/319,932
; FILING DATE: 07-OCT-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Cobert, Robert J.
; REGISTRATION NUMBER: REG 330-D
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (914) 345-7400
; TELEFAX: (914) 345-7721
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 498 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-10-321-332-2
Query Match 100.0%; Score 106; DB 4; Length 498;
Best Local Similarity 100.0%; Pred. No. 5.6e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 LCTKEGVLLKGGKREKPF 20
Db 264 LCTKEGVLLKGGKREKPF 283
RESULT 38
US-10-136-819-12
; Sequence 12, Application US/10136819
; Publication No. US20030166593A1
; GENERAL INFORMATION:
; APPLICANT: Chien, Kenneth
; APPLICANT: Hoshijima, Masahiko
; TITLE OF INVENTION: No. US20030166593A1-viral vesicle vector for cardiac specific gene
; FILE REFERENCE: 6627-Pat1198
; CURRENT APPLICATION NUMBER: US/10/136,819
; CURRENT FILING DATE: 2002-04-30

; PRIOR APPLICATION NUMBER: 60/287,423
; PRIOR FILING DATE: 2001-04-30
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 12
; LENGTH: 498
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-136-819-12

Query Match 100.0%; Score 106; DB 4; Length 498;
Best Local Similarity 100.0%; Pred. No. 5.6e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 LCTKEGVLLKGGKREKPF 20
Db 264 LCTKEGVLLKGGKREKPF 283

RESULT 39
US-10-179-615-2
; Sequence 2, Application US/10179615
; Publication No. US20030166857A1
; GENERAL INFORMATION:
; APPLICANT: Davis, Samuel et al.
; TITLE OF INVENTION: TIE-2 LIGANDS, METHODS OF MAKING AND USES THEREOF
; FILE REFERENCE: REG 330-P-PCT-US
; CURRENT APPLICATION NUMBER: US/10/179,615
; CURRENT FILING DATE: 2002-06-24
; PRIOR APPLICATION NUMBER: US/08/817,318
; PRIOR FILING DATE: 1999-09-16
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 498
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Unknown Organism
US-10-179-615-2

Query Match 100.0%; Score 106; DB 4; Length 498;
Best Local Similarity 100.0%; Pred. No. 5.6e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 LCTKEGVLLKGGKREKPF 20
Db 264 LCTKEGVLLKGGKREKPF 283

RESULT 40
US-10-179-820-2
; Sequence 2, Application US/10179820
; Publication No. US20030166858A1
; GENERAL INFORMATION:
; APPLICANT: Davis, Samuel et al.
; TITLE OF INVENTION: TIE-2 LIGANDS, METHODS OF MAKING AND USES THEREOF
; FILE REFERENCE: REG 330-P-PCT-US
; CURRENT APPLICATION NUMBER: US/10/179,820
; CURRENT FILING DATE: 2002-06-24
; PRIOR APPLICATION NUMBER: US/08/817,318
; PRIOR FILING DATE: 1999-09-16
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 498
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Unknown Organism
US-10-179-820-2

Query Match 100.0%; Score 106; DB 4; Length 498;

```
Best Local Similarity 100.0%; Pred. No. 5.6e-08; Indels 0; Gaps 0;
Matches 20; Conservative 0; Mismatches 0;

Qy 1 LCTKEGVLLKGGKREEEKPF 20
Db 264 LCTKEGVLLKGGKREEEKPF 283

RESULT 41
US-10-373-561-2
; Sequence 2, Application US/10373561
; Publication No. US20030175276A1
; GENERAL INFORMATION:
; APPLICANT: Philip E. Thorpe
; TITLE OF INVENTION: ANTIBODY METHODS FOR SELECTIVELY INHIBITING VEGF
; FILE REFERENCE: 4001.002582
; CURRENT APPLICATION NUMBER: US/10/373,561
; PRIOR FILING DATE: 2003-02-24
; PRIOR APPLICATION NUMBER: US/09/561,499
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 60/131,432
; PRIOR FILING DATE: 1999-04-28
; NUMBER OF SEQ ID NOS: 44
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 498
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-373-561-2

Query Match 100.0%; Score 106; DB 4; Length 498;
Best Local Similarity 100.0%; Pred. No. 5.6e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LCTKEGVLLKGGKREEEKPF 20
Db 264 LCTKEGVLLKGGKREEEKPF 283

RESULT 42
US-10-367-259A-13
; Sequence 13, Application US/10367259A
; Publication No. US20030220250A1
; GENERAL INFORMATION:
; APPLICANT: ELLIS, LEE M.
; TITLE OF INVENTION: ANGIOPOIETIN-1 IN THE TREATMENT OF DISEASE
; FILE REFERENCE: UTSC:698US
; CURRENT APPLICATION NUMBER: US/10/367,259A
; PRIOR FILING DATE: 2003-02-14
; PRIOR APPLICATION NUMBER: 60/356,809
; PRIOR FILING DATE: 2002-02-14
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 13
; LENGTH: 498
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-367-259A-13

Query Match 100.0%; Score 106; DB 4; Length 498;
Best Local Similarity 100.0%; Pred. No. 5.6e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LCTKEGVLLKGGKREEEKPF 20
Db 264 LCTKEGVLLKGGKREEEKPF 283

RESULT 43
US-10-367-259A-14
; Sequence 14, Application US/10367259A
; Publication No. US20030220250A1
```

```
; GENERAL INFORMATION:
; APPLICANT: ELLIS, LEE M.
; TITLE OF INVENTION: ANGIOPOIETIN-1 IN THE TREATMENT OF DISEASE
; FILE REFERENCE: UTSC:698US
; CURRENT APPLICATION NUMBER: US/10/367,259A
; PRIOR FILING DATE: 2003-02-14
; PRIOR APPLICATION NUMBER: 60/356,809
; PRIOR FILING DATE: 2002-02-14
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 14
; LENGTH: 498
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-367-259A-14

Query Match 100.0%; Score 106; DB 4; Length 498;
Best Local Similarity 100.0%; Pred. No. 5.6e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LCTKEGVLLKGGKREEEKPF 20
Db 264 LCTKEGVLLKGGKREEEKPF 283

RESULT 44
US-10-367-259A-24
; Sequence 24, Application US/10367259A
; Publication No. US20030220250A1
; GENERAL INFORMATION:
; APPLICANT: ELLIS, LEE M.
; TITLE OF INVENTION: ANGIOPOIETIN-1 IN THE TREATMENT OF DISEASE
; FILE REFERENCE: UTSC:698US
; CURRENT APPLICATION NUMBER: US/10/367,259A
; PRIOR FILING DATE: 2003-02-14
; PRIOR APPLICATION NUMBER: 60/356,809
; PRIOR FILING DATE: 2002-02-14
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 24
; LENGTH: 498
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-367-259A-24

Query Match 100.0%; Score 106; DB 4; Length 498;
Best Local Similarity 100.0%; Pred. No. 5.6e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LCTKEGVLLKGGKREEEKPF 20
Db 264 LCTKEGVLLKGGKREEEKPF 283

RESULT 45
US-10-367-259A-26
; Sequence 26, Application US/10367259A
; Publication No. US20030220250A1
; GENERAL INFORMATION:
; APPLICANT: ELLIS, LEE M.
; TITLE OF INVENTION: ANGIOPOIETIN-1 IN THE TREATMENT OF DISEASE
; FILE REFERENCE: UTSC:698US
; CURRENT APPLICATION NUMBER: US/10/367,259A
; PRIOR FILING DATE: 2003-02-14
; PRIOR APPLICATION NUMBER: 60/356,809
; PRIOR FILING DATE: 2002-02-14
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 26
; LENGTH: 498
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-367-259A-26
```

Query Match 100.0%; Score 106; DB 4; Length 498;
Best Local Similarity 100.0%; Pred. No. 5.6e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LCTKEGVLLKGGKREEEKPF 20
|||||
Db 264 LCTKEGVLLKGGKREEEKPF 283

RESULT 46

US-10-367-259A-28
; Sequence 28, Application US/10367259A
; Publication No. US20030220250A1
; GENERAL INFORMATION:
; APPLICANT: ELLIS, LEE M.
; TITLE OF INVENTION: ANGIOPOIETIN-1 IN THE TREATMENT OF DISEASE
; FILE REFERENCE: UTSC-698US
; CURRENT APPLICATION NUMBER: US/10/367,259A
; CURRENT FILING DATE: 2003-02-14
; PRIOR APPLICATION NUMBER: 60/356,809
; PRIOR FILING DATE: 2002-02-14
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 28
; LENGTH: 498
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-367-259A-28

Query Match 100.0%; Score 106; DB 4; Length 498;
Best Local Similarity 100.0%; Pred. No. 5.6e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LCTKEGVLLKGGKREEEKPF 20
|||||
Db 264 LCTKEGVLLKGGKREEEKPF 283

RESULT 47

US-10-367-259A-40
; Sequence 40, Application US/10367259A
; Publication No. US20030220250A1
; GENERAL INFORMATION:
; APPLICANT: ELLIS, LEE M.
; TITLE OF INVENTION: ANGIOPOIETIN-1 IN THE TREATMENT OF DISEASE
; FILE REFERENCE: UTSC-698US
; CURRENT APPLICATION NUMBER: US/10/367,259A
; CURRENT FILING DATE: 2003-02-14
; PRIOR APPLICATION NUMBER: 60/356,809
; PRIOR FILING DATE: 2002-02-14
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 40
; LENGTH: 498
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-367-259A-40

Query Match 100.0%; Score 106; DB 4; Length 498;
Best Local Similarity 100.0%; Pred. No. 5.6e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LCTKEGVLLKGGKREEEKPF 20
|||||
Db 264 LCTKEGVLLKGGKREEEKPF 283

RESULT 48

US-10-789-222-13
; Sequence 13, Application US/10789222
; Publication No. US20040186054A1
; GENERAL INFORMATION:

; APPLICANT: Yu, Qin
; TITLE OF INVENTION: Angiopoietin and Fragments, Mutants, and Analogs Thereof and Uses
; FILE REFERENCE: of the Same
; FILE REFERENCE: UPN0003-100 (P3115)
; CURRENT APPLICATION NUMBER: US/10/789,222.
; CURRENT FILING DATE: 2004-02-27
; PRIOR APPLICATION NUMBER: US 60/450,582
; PRIOR FILING DATE: 2003-02-27
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 13
; LENGTH: 498
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-789-222-13

Query Match 100.0%; Score 106; DB 4; Length 498;
Best Local Similarity 100.0%; Pred. No. 5.6e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LCTKEGVLLKGGKREEEKPF 20
|||||
Db 264 LCTKEGVLLKGGKREEEKPF 283

RESULT 49

US-10-789-222-14
; Sequence 14, Application US/10789222
; Publication No. US20040186054A1
; GENERAL INFORMATION:
; APPLICANT: Yu, Qin
; TITLE OF INVENTION: Angiopoietin and Fragments, Mutants, and Analogs Thereof and Uses
; FILE REFERENCE: of the Same
; FILE REFERENCE: UPN0003-100 (P3115)
; CURRENT APPLICATION NUMBER: US/10/789,222
; CURRENT FILING DATE: 2004-02-27
; PRIOR APPLICATION NUMBER: US 60/450,582
; PRIOR FILING DATE: 2003-02-27
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 14
; LENGTH: 498
; TYPE: PRT
; ORGANISM: mouse
US-10-789-222-14

Query Match 100.0%; Score 106; DB 4; Length 498;
Best Local Similarity 100.0%; Pred. No. 5.6e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LCTKEGVLLKGGKREEEKPF 20
|||||
Db 264 LCTKEGVLLKGGKREEEKPF 283

RESULT 50

US-10-723-860-2597
; Sequence 2597, Application US/10723860
; Publication No. US20040253606A1
; GENERAL INFORMATION:
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsburg, Wendy M.
; APPLICANT: Zlotnik, Albert
; TITLE OF INVENTION: Methods for Diagnosis of Soft Tissue Sarcoma, Compositions &
; FILE REFERENCE: 05882.0193.NPUS01
; CURRENT APPLICATION NUMBER: US/10/723,860
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: 60/429,739
; PRIOR FILING DATE: 2002-11-26
; NUMBER OF SEQ ID NOS: 8393
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2597

```

; LENGTH: 498
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-723-860-2597

Query Match      100.0%; Score 106; DB 5; Length 498;
Best Local Similarity 100.0%; Pred. No. 5.6e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 LCTKEGVLLKGGKREEEKPF 20
      |||||
Db      264 LCTKEGVLLKGGKREEEKPF 283

```

Search completed: July 12, 2007, 02:02:17
 Job time : 87 secs

GenCore version 6.2.1
Copyright (c) 1993 - 2007 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: July 12, 2007, 02:01:18 ; Search time 53 Seconds
(without alignments)
130.004 Million cell updates/sec

Title: US-10-789-222A-2

Perfect score: 106

Sequence: 1 LCTKGVLLKGRKEKPEKPF 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1414855 seqs, 344511065 residues

Total number of hits satisfying chosen parameters: 1414855

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 1000 summaries

Database : Published Applications AA New*

- 1: /EMC_Cellerra_SIDS3/prodata/2/pubppa/US08_NEW_PUB.pep.*
- 2: /EMC_Cellerra_SIDS3/prodata/2/pubppa/US06_NEW_PUB.pep.*
- 3: /EMC_Cellerra_SIDS3/prodata/2/pubppa/US07_NEW_PUB.pep.*
- 4: /EMC_Cellerra_SIDS3/prodata/2/pubppa/PCT_NEW_PUB.pep.*
- 5: /EMC_Cellerra_SIDS3/prodata/2/pubppa/US09_NEW_PUB.pep.*
- 6: /EMC_Cellerra_SIDS3/prodata/2/pubppa/US10_NEW_PUB.pep.*
- 7: /EMC_Cellerra_SIDS3/prodata/2/pubppa/US11_NEW_PUB.pep.*
- 8: /EMC_Cellerra_SIDS3/prodata/2/pubppa/US60_NEW_PUB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	106	100.0	402	7	US-11-371-354-69423
2	106	100.0	402	7	US-11-582-861-8722
3	106	100.0	404	7	US-11-043-591-138
4	106	100.0	464	7	US-11-043-581-137
5	106	100.0	498	7	US-11-329-293-2
6	106	100.0	498	7	US-11-311-939-5
7	106	100.0	498	7	US-11-582-861-8723
8	106	100.0	498	7	US-11-519-954-3
9	96	90.6	495	7	US-11-329-293-5
10	89.5	84.4	147	7	US-11-371-354-63843
11	89.5	84.4	497	7	US-11-311-939-2
12	51	48.1	2623	6	US-10-374-780A-1433
13	51	48.1	2623	6	US-10-412-699B-1519
14	49	46.2	453	7	US-11-366-965-679
15	49	46.2	719	6	US-10-434-655-5427
16	47	44.3	203	7	US-11-443-428A-963451
17	46.5	43.9	591	6	US-10-533-520-833
18	46.5	43.9	591	6	US-10-980-328-12166
19	46.5	43.9	591	6	US-10-412-699B-1519
20	46.5	43.9	591	6	US-11-289-102-239
21	46	43.4	63	7	US-11-443-428A-951014
22	46	43.4	151	6	US-10-703-032-165482
23	46	43.4	228	6	US-10-953-349-31785
24	46	43.4	228	7	US-11-056-355B-55870
25	46	43.4	228	7	US-11-056-355B-62345

26	46	43.4	228	7	US-11-241-607-32705	Sequence 32705, A
27	46	43.4	228	7	US-11-241-607-34729	Sequence 34729, A
28	46	43.4	228	7	US-11-241-607-63177	Sequence 63177, A
29	46	43.4	228	7	US-11-241-607-64377	Sequence 64377, A
30	46	43.4	303	7	US-11-443-428A-965832	Sequence 965832, A
31	46	43.4	352	6	US-10-917-503-11210	Sequence 11210, A
32	46	43.4	495	7	US-11-443-428A-784416	Sequence 784416, A
33	46	43.4	601	7	US-11-090-997-1876	Sequence 1876, Ap
34	46	43.4	873	7	US-11-090-997-1882	Sequence 1882, Ap
35	46	43.4	876	7	US-11-090-997-1880	Sequence 1880, Ap
36	46	43.4	902	7	US-11-090-997-1878	Sequence 1878, Ap
37	46	43.4	917	7	US-11-090-997-1872	Sequence 1872, Ap
38	46	43.4	923	7	US-11-600-479-6	Sequence 6, Appli
39	46	43.4	934	7	US-11-090-997-1874	Sequence 1874, Ap
40	46	43.4	1044	7	US-11-443-428A-784415	Sequence 784415, A
41	46	43.4	1044	7	US-11-598-148-242	Sequence 242, App
42	46	43.4	1075	7	US-11-443-428A-784413	Sequence 784413, A
43	45	42.5	107	7	US-11-520-715-37008	Sequence 37008, A
44	45	42.5	168	7	US-11-614-840-22	Sequence 22, Appli
45	45	42.5	191	7	US-11-443-428A-926139	Sequence 926139, A
46	45	42.5	262	6	US-10-703-032-130072	Sequence 130072, A
47	45	42.5	360	6	US-10-953-349-38192	Sequence 38192, A
48	45	42.5	451	6	US-10-953-349-38191	Sequence 38191, A
49	45	42.5	457	7	US-11-520-715-51681	Sequence 51681, A
50	45	42.5	458	7	US-11-520-715-46783	Sequence 46783, A
51	45	42.5	482	7	US-11-330-403-3050	Sequence 3050, Ap
52	45	42.5	482	7	US-11-431-855-27017	Sequence 27017, A
53	45	42.5	522	7	US-11-516-230-14916	Sequence 14916, A
54	45	42.5	522	7	US-11-516-230-24622	Sequence 24622, A
55	45	42.5	522	7	US-11-516-230-40831	Sequence 40831, A
56	45	42.5	522	7	US-11-516-230-56692	Sequence 56692, A
57	45	42.5	522	7	US-11-516-230-64720	Sequence 64720, A
58	45	42.5	522	7	US-11-516-230-65107	Sequence 65107, A
59	45	42.5	545	7	US-11-516-230-14878	Sequence 14878, A
60	45	42.5	545	7	US-11-516-230-24584	Sequence 24584, A
61	45	42.5	545	7	US-11-516-230-40793	Sequence 40793, A
62	45	42.5	545	7	US-11-516-230-56654	Sequence 56654, A
63	45	42.5	545	7	US-11-516-230-64682	Sequence 64682, A
64	45	42.5	545	7	US-11-516-230-65069	Sequence 65069, A
65	45	42.5	551	7	US-11-443-428A-868962	Sequence 868962, A
66	45	42.5	564	7	US-11-443-428A-868964	Sequence 868964, A
67	45	42.5	609	7	US-11-090-997-1904	Sequence 1904, Ap
68	45	42.5	609	7	US-11-443-428A-868961	Sequence 868961, A
69	45	42.5	632	7	US-11-582-861-5603	Sequence 5603, Ap
70	45	42.5	632	7	US-11-443-428A-868963	Sequence 868963, A
71	45	42.5	644	6	US-10-508-580-16	Sequence 16, Appli
72	45	42.5	644	6	US-10-405-027-4382	Sequence 4382, Ap
73	45	42.5	668	7	US-11-443-428A-868951	Sequence 868951, A
74	45	42.5	668	7	US-11-443-428A-868953	Sequence 868953, A
75	45	42.5	698	6	US-11-443-428A-868952	Sequence 868952, A
76	45	42.5	698	6	US-10-405-027-3107	Sequence 3107, Ap
77	45	42.5	704	7	US-11-443-428A-868959	Sequence 868959, A
78	45	42.5	871	7	US-11-043-591-131	Sequence 131, App
79	45	42.5	871	7	US-11-443-428A-868950	Sequence 868950, A
80	45	42.5	923	6	US-10-533-519-1576	Sequence 1576, Ap
81	45	42.5	923	6	US-10-533-519-1684	Sequence 1684, Ap
82	45	42.5	923	7	US-11-090-997-1902	Sequence 1902, Ap
83	45	42.5	923	7	US-11-488-364-2	Sequence 2, Appli
84	45	42.5	923	7	US-11-443-428A-868958	Sequence 868958, A
85	45	42.5	923	7	US-11-600-479-2	Sequence 2, Appli
86	45	42.5	923	7	US-11-582-861-5602	Sequence 5602, Ap
87	44.5	42.0	217	7	US-11-443-428A-975101	Sequence 975101, A
88	44.5	42.0	249	7	US-11-056-355B-18331	Sequence 18331, A
89	44.5	42.0	255	7	US-11-520-715-55860	Sequence 55860, A
90	44.5	42.0	260	7	US-11-056-355B-18330	Sequence 18330, A
91	44.5	42.0	352	7	US-11-443-428A-890290	Sequence 890290, A
92	44.5	42.0	354	6	US-10-612-783-4753	Sequence 4753, Ap
93	44.5	42.0	354	7	US-11-056-355B-18329	Sequence 18329, A
94	44.5	42.0	354	7	US-11-241-607-58347	Sequence 58347, A
95	44.5	42.0	354	7	US-11-431-855-7176	Sequence 7176, Ap
96	44.5	42.0	354	7	US-11-431-855-7339	Sequence 7339, Ap
97	44.5	42.0	354	7	US-11-431-855-8200	Sequence 8200, Ap
98	44.5	42.0	354	7	US-11-431-855-9202	Sequence 9202, Ap

99	44.5	42.0	355	7	US-11-431-855-7513	Sequence 7513, Ap	172	43	40.6	1856	7	US-11-582-861-7971	Sequence 7971, Ap
100	44.5	42.0	366	7	US-11-431-855-8139	Sequence 8139, Ap	173	43	40.6	1855	7	US-11-443-428A-856833	Sequence 856833, Ap
101	44.5	41.5	88	7	US-11-520-715-61664	Sequence 61664, A	174	43	40.6	2000	6	US-10-533-520-811	Sequence 811, App
102	44.5	41.5	198	7	US-11-443-428A-1029240	Sequence 1029240, A	175	43	40.6	2009	7	US-11-443-428A-856858	Sequence 856858, Ap
103	44.5	41.5	199	6	US-10-934-893-3344	Sequence 3344, Ap	176	43	40.6	2195	7	US-11-443-428A-856854	Sequence 856854, Ap
104	44.5	41.5	213	7	US-11-443-428A-1029230	Sequence 1029230, A	177	43	40.6	2214	6	US-10-533-520-813	Sequence 813, App
105	44.5	41.5	276	7	US-11-443-428A-1029236	Sequence 1029236, A	178	43	40.6	2214	6	US-10-567-867-2173	Sequence 2173, Ap
106	44.5	41.5	275	6	US-10-526-979A-80	Sequence 80, Appl	179	43	40.6	2214	7	US-11-443-428A-856832	Sequence 856832, Ap
107	44.5	41.5	275	6	US-10-917-503-10724	Sequence 10724, A	180	43	40.6	2214	7	US-11-443-428A-856835	Sequence 856835, Ap
108	44.5	41.5	275	7	US-11-371-354-64049	Sequence 64049, A	181	43	40.6	2214	7	US-11-443-428A-856850	Sequence 856850, Ap
109	44.5	41.5	275	7	US-11-001-793-6360	Sequence 6360, Ap	182	43	40.6	2214	7	US-11-443-428A-856851	Sequence 856851, Ap
110	44.5	41.5	275	7	US-11-443-428A-1029228	Sequence 1029228, A	183	43	40.6	2214	7	US-11-443-428A-856852	Sequence 856852, Ap
111	44.5	41.5	276	5	US-09-949-925-86	Sequence 86, Appl	184	43	40.6	2229	7	US-11-443-428A-856837	Sequence 856837, Ap
112	44.5	41.5	282	7	US-11-001-793-10716	Sequence 10716, A	185	43	40.6	2282	6	US-10-276-817B-13720	Sequence 13720, A
113	44.5	41.5	282	7	US-11-545-766-458	Sequence 458, App	186	43	40.6	2282	7	US-11-582-861-7973	Sequence 7973, Ap
114	44.5	41.5	291	7	US-11-443-428A-1029229	Sequence 1029229, A	187	43	40.6	2417	6	US-11-443-428A-856853	Sequence 856853, Ap
115	44.5	41.5	291	7	US-11-443-428A-1029231	Sequence 1029231, A	188	43	40.6	2417	6	US-10-603-113-21473	Sequence 21473, A
116	44.5	41.5	291	7	US-11-443-428A-1029234	Sequence 1029234, A	189	42.5	40.1	168	7	US-11-443-428A-946678	Sequence 946678, Ap
117	44.5	41.5	291	7	US-11-443-428A-1029235	Sequence 1029235, A	190	42.5	40.1	182	7	US-11-443-428A-946678	Sequence 946678, Ap
118	44.5	41.5	291	7	US-11-443-428A-1029237	Sequence 1029237, A	191	42.5	40.1	346	7	US-11-443-428A-1030786	Sequence 1030786, Ap
119	44.5	41.5	291	7	US-11-443-428A-1029238	Sequence 1029238, A	192	42.5	40.1	721	7	US-11-443-428A-1030786	Sequence 1030786, Ap
120	44.5	41.5	291	7	US-11-443-428A-1029241	Sequence 1029241, A	193	42.5	40.1	1013	6	US-10-703-032-173860	Sequence 173860, Ap
121	44.5	41.5	318	7	US-11-001-793-10718	Sequence 10718, A	194	42	39.6	58	7	US-11-443-428A-878512	Sequence 878512, Ap
122	44.5	41.5	318	7	US-11-545-766-455	Sequence 455, App	195	42	39.6	112	7	US-11-443-428A-878508	Sequence 878508, Ap
123	44.5	41.5	339	7	US-11-443-428A-856848	Sequence 856848, A	196	42	39.6	115	7	US-11-443-428A-878508	Sequence 878508, Ap
124	44.5	41.5	371	7	US-11-443-428A-839326	Sequence 839326, A	197	42	39.6	117	6	US-10-760-320A-3266	Sequence 3266, Ap
125	44.5	41.5	373	7	US-11-366-942-934	Sequence 934, App	198	42	39.6	131	6	US-10-603-113-15268	Sequence 15268, A
126	44.5	41.5	778	7	US-11-443-428A-839329	Sequence 839329, A	199	42	39.6	138	7	US-11-363-870-2	Sequence 2, Appl
127	44.5	41.5	778	7	US-11-443-428A-839331	Sequence 839331, A	200	42	39.6	138	7	US-11-363-869-2	Sequence 2, Appl
128	44.5	41.5	804	7	US-11-443-428A-839330	Sequence 839330, A	201	42	39.6	140	6	US-10-527-678-9	Sequence 9, Appl
129	44.5	41.5	815	7	US-11-443-428A-839324	Sequence 839324, A	202	42	39.6	140	6	US-10-219-051B-433	Sequence 433, App
130	44.5	41.5	1556	7	US-11-516-230-22450	Sequence 22450, A	203	42	39.6	140	6	US-10-219-051B-435	Sequence 435, App
131	44.5	41.5	1556	7	US-11-516-230-71740	Sequence 71740, A	204	42	39.6	140	6	US-10-219-051B-437	Sequence 437, App
132	43.5	41.0	417	7	US-11-443-428A-1026260	Sequence 1026260, A	205	42	39.6	140	6	US-10-219-051B-7223	Sequence 7223, Ap
133	43.5	41.0	417	7	US-11-443-428A-1026266	Sequence 1026266, A	206	42	39.6	140	6	US-10-219-051B-7225	Sequence 7225, Ap
134	43.5	41.0	435	7	US-11-443-428A-1026265	Sequence 1026265, A	207	42	39.6	140	6	US-10-219-051B-13571	Sequence 13571, A
135	43.5	41.0	602	7	US-11-443-428A-1026263	Sequence 1026263, A	208	42	39.6	140	6	US-10-219-051B-13573	Sequence 13573, A
136	43.5	41.0	629	7	US-11-443-428A-1026258	Sequence 1026258, A	209	42	39.6	140	7	US-11-371-354-59997	Sequence 59997, A
137	43.5	41.0	629	7	US-11-443-428A-1026259	Sequence 1026259, A	210	42	39.6	140	7	US-11-371-354-59997	Sequence 59997, A
138	43.5	41.0	629	7	US-11-443-428A-1026262	Sequence 1026262, A	211	42	39.6	140	7	US-11-443-428A-878501	Sequence 878501, Ap
139	43	40.6	106	7	US-11-443-428A-763059	Sequence 763059, A	212	42	39.6	140	7	US-11-443-428A-878502	Sequence 878502, Ap
140	43	40.6	113	6	US-10-370-953-74	Sequence 74, Appl	213	42	39.6	140	7	US-11-443-428A-878503	Sequence 878503, Ap
141	43	40.6	113	7	US-11-443-428A-753581	Sequence 753581, A	214	42	39.6	140	7	US-11-443-428A-878504	Sequence 878504, Ap
142	43	40.6	127	7	US-11-443-428A-791281	Sequence 791281, A	215	42	39.6	140	7	US-11-443-428A-878505	Sequence 878505, Ap
143	43	40.6	141	7	US-11-486-448-71919	Sequence 71919, A	216	42	39.6	140	7	US-11-443-428A-878506	Sequence 878506, Ap
144	43	40.6	147	7	US-11-443-428A-961361	Sequence 961361, A	217	42	39.6	140	7	US-11-443-428A-878509	Sequence 878509, Ap
145	43	40.6	196	7	US-11-443-428A-1002802	Sequence 1002802, A	218	42	39.6	140	7	US-11-443-428A-878510	Sequence 878510, Ap
146	43	40.6	235	7	US-11-443-428A-833734	Sequence 833734, A	219	42	39.6	140	7	US-11-443-428A-878511	Sequence 878511, Ap
147	43	40.6	275	7	US-11-443-428A-833729	Sequence 833729, A	220	42	39.6	140	7	US-11-443-428A-878513	Sequence 878513, Ap
148	43	40.6	373	6	US-10-603-108-1942	Sequence 1942, Ap	221	42	39.6	157	7	US-11-443-428A-960206	Sequence 960206, Ap
149	43	40.6	394	7	US-11-431-855-15658	Sequence 15658, A	222	42	39.6	191	7	US-11-486-448-117213	Sequence 117213, Ap
150	43	40.6	394	7	US-11-431-855-15659	Sequence 15659, A	223	42	39.6	202	7	US-11-520-715-37328	Sequence 37328, A
151	43	40.6	394	7	US-11-431-855-15660	Sequence 15660, A	224	42	39.6	217	6	US-10-276-817B-9204	Sequence 9204, Ap
152	43	40.6	394	7	US-11-431-855-15660	Sequence 15660, A	225	42	39.6	249	6	US-10-953-349-6838	Sequence 6838, Ap
153	43	40.6	395	7	US-11-431-855-15660	Sequence 15660, A	226	42	39.6	249	6	US-10-953-349-6838	Sequence 6838, Ap
154	43	40.6	396	7	US-11-431-855-17900	Sequence 17900, A	227	42	39.6	300	6	US-10-953-349-6838	Sequence 6838, Ap
155	43	40.6	396	7	US-11-431-855-16120	Sequence 16120, A	228	42	39.6	300	6	US-11-443-428A-946699	Sequence 946699, Ap
156	43	40.6	397	7	US-11-401-013-22	Sequence 22, Appl	229	42	39.6	349	7	US-11-443-428A-927480	Sequence 927480, Ap
157	43	40.6	415	6	US-10-663-920-506	Sequence 506, App	230	42	39.6	359	7	US-11-241-607-39986	Sequence 39986, A
158	43	40.6	415	7	US-11-416-310-8	Sequence 8, Appl	231	42	39.6	366	7	US-11-241-607-39985	Sequence 39985, A
159	43	40.6	415	7	US-11-416-310-8	Sequence 8, Appl	232	42	39.6	383	7	US-11-443-428A-895929	Sequence 895929, A
160	43	40.6	416	7	US-11-500-718-4	Sequence 4, Appl	233	42	39.6	394	7	US-11-431-855-16089	Sequence 16089, A
161	43	40.6	492	7	US-11-443-428A-856840	Sequence 856840, A	234	42	39.6	394	7	US-11-431-855-28601	Sequence 28601, A
162	43	40.6	679	7	US-11-443-428A-856839	Sequence 856839, A	235	42	39.6	407	7	US-11-520-715-41115	Sequence 41115, A
163	43	40.6	1024	7	US-11-443-428A-856839	Sequence 856839, A	236	42	39.6	426	6	US-11-519-693-11	Sequence 11, Appl
164	43	40.6	1097	7	US-11-443-428A-856855	Sequence 856855, A	237	42	39.6	441	6	US-10-953-349-6838	Sequence 6838, Ap
165	43	40.6	1784	6	US-10-517-155A-38	Sequence 38, Appl	238	42	39.6	447	7	US-11-443-428A-1028065	Sequence 1028065, Ap
166	43	40.6	1788	6	US-10-564-585-36	Sequence 36, Appl	239	42	39.6	458	7	US-11-241-607-39984	Sequence 39984, A
167	43	40.6	1788	6	US-10-567-867-2171	Sequence 2171, Ap	240	42	39.6	470	7	US-11-443-428A-1028064	Sequence 1028064, Ap
168	43	40.6	1788	6	US-11-443-428A-856831	Sequence 856831, A	241	42	39.6	579	7	US-11-443-428A-1028056	Sequence 1028056, Ap
169	43	40.6	1789	6	US-10-219-051B-4716	Sequence 4716, Ap	242	42	39.6	579	7	US-11-443-428A-1028057	Sequence 1028057, Ap
170	43	40.6	1789	6	US-10-219-051B-4719	Sequence 4719, Ap	243	42	39.6	579	7	US-11-443-428A-1028060	Sequence 1028060, Ap
171	43	40.6	1855	6	US-10-276-817B-13719	Sequence 13719, A	244	42	39.6	579	7	US-11-443-428A-1028061	Sequence 1028061, Ap

245	42	39.6	579	7	US-11-443-428A-1028062	Sequence 1028062,	318	41	38.7	477	6	US-10-276-817B-14369	Sequence 14369, A
246	42	39.6	579	7	US-11-443-428A-1028063	Sequence 1028063,	319	41	38.7	482	7	US-11-443-428A-885875	Sequence 885875,
247	42	39.6	609	7	US-11-443-428A-768543	Sequence 768543,	320	41	38.7	482	7	US-11-431-855-24176	Sequence 24176, A
248	42	39.6	616	6	US-10-777-288A-2085	Sequence 2085, Ap	321	41	38.7	482	7	US-11-431-855-32001	Sequence 32001, A
249	42	39.6	680	7	US-11-443-428A-1026272	Sequence 1026272,	322	41	38.7	482	7	US-11-431-855-32086	Sequence 32086, A
250	42	39.6	680	7	US-11-443-428A-1026273	Sequence 1026273,	323	41	38.7	483	6	US-10-612-783-4577	Sequence 4577, Ap
251	42	39.6	680	7	US-11-443-428A-1026274	Sequence 1026274,	324	41	38.7	493	6	US-10-419-128-25746	Sequence 25746, A
252	42	39.6	680	7	US-11-443-428A-1026277	Sequence 1026277,	325	41	38.7	544	7	US-11-520-715-42064	Sequence 42064, A
253	42	39.6	680	7	US-11-443-428A-1026278	Sequence 1026278,	326	41	38.7	547	7	US-11-330-403-14761	Sequence 14761, A
254	42	39.6	700	7	US-11-443-428A-768544	Sequence 768544,	327	41	38.7	547	7	US-11-516-230-42964	Sequence 42964, A
255	42	39.6	1029	6	US-11-443-428A-925123	Sequence 925123,	328	41	38.7	563	7	US-11-207-802-4800	Sequence 4800, Ap
256	42	39.6	1088	6	US-10-533-519-2335	Sequence 2335, Ap	329	41	38.7	563	7	US-11-208-208-4800	Sequence 4800, Ap
257	42	39.6	1094	7	US-11-443-428A-838090	Sequence 838090,	330	41	38.7	585	6	US-10-276-817B-13181	Sequence 13181, A
258	41.5	39.2	188	7	US-11-443-428A-972336	Sequence 972336,	331	41	38.7	625	6	US-10-805-394-6787	Sequence 6787, Ap
259	41.5	39.2	192	6	US-10-703-032-112272	Sequence 112272,	332	41	38.7	819	6	US-10-547-949-38	Sequence 38, Appl
260	41	38.7	68	7	US-11-443-428A-789366	Sequence 789366,	333	41	38.7	917	6	US-10-419-128-17718	Sequence 17718, A
261	41	38.7	72	7	US-11-322-185-27	Sequence 27, Appl	334	41	38.7	1559	6	US-10-449-902-41072	Sequence 41072, A
262	41	38.7	73	7	US-11-443-428A-936651	Sequence 936651,	335	41	38.7	1598	7	US-11-431-855-22668	Sequence 22668, A
263	41	38.7	92	7	US-11-443-428A-103924	Sequence 103924,	336	40.5	38.2	1902	7	US-11-598-148-8	Sequence 8, Appl
264	41	38.7	110	6	US-10-703-032-177939	Sequence 177939,	337	40.5	38.2	62	6	US-10-703-032-160751	Sequence 160751,
265	41	38.7	114	7	US-11-443-428A-769602	Sequence 769602,	338	40.5	38.2	116	6	US-10-703-032-178611	Sequence 178611,
266	41	38.7	114	7	US-11-443-428A-769604	Sequence 769604,	339	40.5	38.2	142	6	US-10-703-032-117186	Sequence 117186,
267	41	38.7	114	7	US-11-443-428A-769605	Sequence 769605,	340	40.5	38.2	152	7	US-11-443-428A-926190	Sequence 926190,
268	41	38.7	114	7	US-11-443-428A-769606	Sequence 769606,	341	40.5	38.2	170	7	US-11-056-355B-3061	Sequence 3061, Ap
269	41	38.7	121	7	US-11-443-428A-769608	Sequence 769608,	342	40.5	38.2	208	7	US-11-056-355B-3060	Sequence 3060, Ap
270	41	38.7	134	7	US-11-371-354-73419	Sequence 73419, A	343	40.5	38.2	240	7	US-11-056-355B-3059	Sequence 3059, Ap
271	41	38.7	134	7	US-11-443-428A-754491	Sequence 754491,	344	40.5	38.2	254	7	US-11-443-428A-101306	Sequence 101306,
272	41	38.7	134	7	US-11-443-428A-754492	Sequence 754492,	345	40.5	38.2	351	6	US-10-449-902-49925	Sequence 49925, A
273	41	38.7	134	7	US-11-443-428A-754493	Sequence 754493,	346	40.5	38.2	351	6	US-10-612-783-6817	Sequence 6817, Ap
274	41	38.7	136	7	US-11-486-448-112511	Sequence 112511,	347	40.5	38.2	351	7	US-11-431-855-28067	Sequence 28067, A
275	41	38.7	143	7	US-11-486-448-109199	Sequence 109199,	348	40	37.7	74	7	US-11-443-428A-942881	Sequence 942881,
276	41	38.7	144	7	US-11-043-591-56	Sequence 56, Appl	349	40	37.7	80	7	US-11-486-448-80770	Sequence 80770, A
277	41	38.7	150	7	US-11-443-428A-885880	Sequence 885880,	350	40	37.7	90	7	US-11-486-448-71920	Sequence 71920, A
278	41	38.7	151	7	US-11-443-428A-885885	Sequence 885885,	351	40	37.7	104	7	US-11-066-316A-990	Sequence 990, App
279	41	38.7	155	7	US-11-443-428A-885881	Sequence 885881,	352	40	37.7	118	7	US-11-443-428A-790566	Sequence 790566,
280	41	38.7	164	7	US-11-443-428A-885878	Sequence 885878,	353	40	37.7	119	7	US-11-443-428A-738234	Sequence 738234,
281	41	38.7	172	7	US-11-443-428A-968129	Sequence 968129,	354	40	37.7	127	6	US-10-567-867-1272	Sequence 1272, Ap
282	41	38.7	179	7	US-11-443-428A-885876	Sequence 885876,	355	40	37.7	127	7	US-11-383-080-33	Sequence 33, Appl
283	41	38.7	179	7	US-11-443-428A-885884	Sequence 885884,	356	40	37.7	127	7	US-11-371-354-59855	Sequence 59855, A
284	41	38.7	181	6	US-10-405-027-4563	Sequence 4563, Ap	357	40	37.7	127	7	US-11-066-316A-989	Sequence 989, App
285	41	38.7	181	7	US-11-371-354-12645	Sequence 12645, A	358	40	37.7	127	7	US-11-066-316A-992	Sequence 992, App
286	41	38.7	181	7	US-11-371-354-55939	Sequence 55939, A	359	40	37.7	127	7	US-11-443-428A-1018244	Sequence 1018244,
287	41	38.7	181	7	US-11-371-354-76612	Sequence 76612, A	360	40	37.7	127	7	US-11-443-428A-1030788	Sequence 1030788,
288	41	38.7	206	7	US-11-043-591-55	Sequence 55, Appl	361	40	37.7	127	7	US-11-443-428A-1030788	Sequence 1030788,
289	41	38.7	224	7	US-11-371-354-74619	Sequence 74619, A	362	40	37.7	127	7	US-11-443-428A-1030793	Sequence 1030793,
290	41	38.7	233	7	US-11-443-428A-885887	Sequence 885887,	363	40	37.7	127	7	US-11-443-428A-1030794	Sequence 1030794,
291	41	38.7	243	7	US-11-238-035-15	Sequence 15, Appl	364	40	37.7	128	6	US-10-990-328-14396	Sequence 14396, A
292	41	38.7	243	7	US-11-238-035-33	Sequence 33, Appl	365	40	37.7	135	7	US-11-443-428A-923959	Sequence 923959,
293	41	38.7	243	7	US-11-514-821-25	Sequence 25, Appl	366	40	37.7	140	7	US-11-486-448-82246	Sequence 82246, A
294	41	38.7	243	7	US-11-614-840-21	Sequence 21, Appl	367	40	37.7	145	7	US-11-443-428A-961117	Sequence 961117,
295	41	38.7	261	7	US-11-443-428A-943573	Sequence 943573,	368	40	37.7	156	7	US-11-443-428A-925042	Sequence 925042,
296	41	38.7	261	7	US-11-443-428A-999123	Sequence 999123,	369	40	37.7	164	6	US-10-703-032-157347	Sequence 157347,
297	41	38.7	265	7	US-11-443-428A-885873	Sequence 885873,	370	40	37.7	164	6	US-10-703-032-159391	Sequence 159391,
298	41	38.7	266	6	US-10-703-032-115599	Sequence 115599,	371	40	37.7	165	7	US-11-443-428A-925822	Sequence 925822,
299	41	38.7	282	6	US-10-953-349-21661	Sequence 21661, A	372	40	37.7	165	7	US-11-443-428A-995896	Sequence 995896,
300	41	38.7	311	7	US-11-431-855-19829	Sequence 19829, A	373	40	37.7	168	6	US-10-449-902-51196	Sequence 51196, A
301	41	38.7	343	7	US-11-443-428A-970191	Sequence 970191,	374	40	37.7	170	7	US-11-066-316A-991	Sequence 991, App
302	41	38.7	356	6	US-10-953-349-21660	Sequence 21660, A	375	40	37.7	174	7	US-11-431-855-16634	Sequence 16634, A
303	41	38.7	362	6	US-10-953-349-35080	Sequence 35080, A	376	40	37.7	175	7	US-11-431-855-18917	Sequence 18917, A
304	41	38.7	362	7	US-11-056-355B-1522	Sequence 1522, Ap	377	40	37.7	179	7	US-11-443-428A-790564	Sequence 790564,
305	41	38.7	394	6	US-10-535-168-12	Sequence 12, Appl	378	40	37.7	194	6	US-10-449-902-48292	Sequence 48292,
306	41	38.7	395	6	US-10-467-478-2299	Sequence 2299, Ap	379	40	37.7	201	7	US-10-449-902-49512	Sequence 49512, A
307	41	38.7	395	6	US-10-467-478-3555	Sequence 3555, Ap	380	40	37.7	202	7	US-11-241-607-25157	Sequence 25157, A
308	41	38.7	396	6	US-10-953-349-21659	Sequence 21659, Ap	381	40	37.7	202	7	US-11-486-448-71914	Sequence 71914, A
309	41	38.7	396	6	US-11-431-855-30359	Sequence 30359, A	382	40	37.7	205	6	US-10-743-643-293	Sequence 293, Appl
310	41	38.7	399	6	US-10-553-928-280	Sequence 280, App	383	40	37.7	205	6	US-10-743-643-1889	Sequence 1889, Ap
311	41	38.7	405	6	US-10-934-893-1498	Sequence 1498, Ap	384	40	37.7	205	6	US-10-743-643-1340	Sequence 1340, Ap
312	41	38.7	418	7	US-10-953-349-35079	Sequence 35079, A	385	40	37.7	206	6	US-10-219-051B-11030	Sequence 11030, A
313	41	38.7	418	7	US-11-056-355B-1521	Sequence 1521, Ap	386	40	37.7	206	6	US-11-443-428A-846258	Sequence 846258,
314	41	38.7	423	7	US-11-443-428A-885882	Sequence 885882,	387	40	37.7	208	6	US-10-219-051B-1051	Sequence 1051, Ap
315	41	38.7	423	7	US-11-443-428A-885883	Sequence 885883,	388	40	37.7	208	6	US-10-219-051B-1051	Sequence 1051, Ap
316	41	38.7	460	7	US-11-443-428A-885874	Sequence 885874,	389	40	37.7	208	6	US-10-743-643-1591	Sequence 1591, Ap
317	41	38.7	475	7	US-11-443-428A-885879	Sequence 885879,	390	40	37.7	211	7	US-11-486-448-71916	Sequence 71916, A

391	40	37.7	212	7	US-11-486-448-71918	Sequence 71918, A	464	40	37.7	552	7	US-11-056-355B-6660	Sequence 6660, Ap
392	40	37.7	219	7	US-11-431-855-22560	Sequence 22560, A	465	40	37.7	556	7	US-11-520-715-64911	Sequence 64911, A
393	40	37.7	220	6	US-10-603-113-17809	Sequence 17809, A	466	40	37.7	558	7	US-11-520-715-59669	Sequence 59669, A
394	40	37.7	222	7	US-11-443-428A-846261	Sequence 846261, A	467	40	37.7	558	7	US-11-520-715-59669	Sequence 59669, A
395	40	37.7	222	7	US-11-443-428A-960505	Sequence 960505, A	468	40	37.7	561	6	US-10-449-902-42697	Sequence 42697, A
396	40	37.7	222	7	US-11-443-428A-1030789	Sequence 1030789, A	469	40	37.7	575	7	US-11-520-715-52769	Sequence 52769, A
397	40	37.7	222	7	US-11-443-428A-1030790	Sequence 1030790, A	470	40	37.7	576	7	US-11-443-428A-968115	Sequence 968115, A
398	40	37.7	228	6	US-10-703-032-135699	Sequence 135699, A	471	40	37.7	631	6	US-10-434-665-6175	Sequence 6175, Ap
399	40	37.7	228	6	US-10-703-032-135703	Sequence 135703, A	472	40	37.7	655	7	US-11-312-958-36	Sequence 36, Appl
400	40	37.7	228	6	US-10-703-032-135714	Sequence 135714, A	473	40	37.7	686	7	US-11-377-316-147	Sequence 147, App
401	40	37.7	228	6	US-11-241-607-63753	Sequence 63753, A	474	40	37.7	699	7	US-11-443-428A-900087	Sequence 900087, A
402	40	37.7	231	6	US-10-703-032-105966	Sequence 105966, A	475	40	37.7	700	6	US-10-449-902-41509	Sequence 41509, A
403	40	37.7	233	6	US-10-703-032-107149	Sequence 107149, A	476	40	37.7	811	7	US-11-443-428A-900086	Sequence 900086, A
404	40	37.7	247	7	US-11-238-035-35	Sequence 35, Appl	477	40	37.7	860	7	US-11-443-428A-900088	Sequence 900088, A
405	40	37.7	249	7	US-11-443-428A-769797	Sequence 769797, A	478	40	37.7	860	7	US-11-443-428A-900090	Sequence 900090, A
406	40	37.7	253	7	US-11-486-448-80768	Sequence 80768, A	479	40	37.7	860	7	US-11-443-428A-900092	Sequence 900092, A
407	40	37.7	254	7	US-11-443-428A-769793	Sequence 769793, A	480	40	37.7	860	7	US-11-443-428A-900093	Sequence 900093, A
408	40	37.7	257	7	US-11-106-014-40	Sequence 40, Appl	481	40	37.7	971	7	US-11-443-428A-805033	Sequence 805033, A
409	40	37.7	261	7	US-11-443-428A-769787	Sequence 769787, A	482	40	37.7	1047	7	US-11-443-428A-805029	Sequence 805029, A
410	40	37.7	261	7	US-11-443-428A-769791	Sequence 769791, A	483	40	37.7	1047	7	US-11-443-428A-805030	Sequence 805030, A
411	40	37.7	261	7	US-11-443-428A-769792	Sequence 769792, A	484	40	37.7	1058	6	US-10-533-520-1641	Sequence 1641, App
412	40	37.7	265	7	US-11-330-403-11088	Sequence 11088, A	485	40	37.7	1058	6	US-10-567-867-677	Sequence 677, App
413	40	37.7	272	7	US-11-443-428A-846260	Sequence 846260, A	486	40	37.7	1058	7	US-11-443-428A-805028	Sequence 805028, A
414	40	37.7	275	6	US-10-434-665-4132	Sequence 4132, Ap	487	40	37.7	1058	7	US-11-443-428A-805034	Sequence 805034, A
415	40	37.7	275	6	US-11-520-715-49718	Sequence 49718, A	488	40	37.7	1058	7	US-11-443-428A-805035	Sequence 805035, A
416	40	37.7	285	7	US-11-486-448-68267	Sequence 68267, A	489	40	37.7	1058	7	US-11-443-428A-805036	Sequence 805036, A
417	40	37.7	287	7	US-11-043-591-136	Sequence 136, App	490	40	37.7	1062	7	US-11-443-428A-805031	Sequence 805031, A
418	40	37.7	289	7	US-11-443-428A-846257	Sequence 846257, A	491	40	37.7	1062	7	US-11-443-428A-805032	Sequence 805032, A
419	40	37.7	290	7	US-11-516-230-26745	Sequence 26745, A	492	40	37.7	1104	6	US-10-276-817B-10293	Sequence 10293, A
420	40	37.7	296	7	US-11-371-354-60755	Sequence 60755, A	493	40	37.7	1166	7	US-11-431-855-10875	Sequence 10875, A
421	40	37.7	296	7	US-11-443-428A-846254	Sequence 846254, A	494	40	37.7	1166	7	US-11-325-764-32	Sequence 32, Appl
422	40	37.7	296	7	US-11-443-428A-846255	Sequence 846255, A	495	39.5	37.3	84	7	US-11-443-428A-1012326	Sequence 1012326, A
423	40	37.7	298	7	US-11-443-428A-846259	Sequence 846259, A	496	39.5	37.3	146	7	US-11-443-428A-983014	Sequence 983014, A
424	40	37.7	313	7	US-11-443-428A-846256	Sequence 846256, A	497	39.5	37.3	196	7	US-11-443-428A-875314	Sequence 875314, A
425	40	37.7	329	7	US-11-486-448-82679	Sequence 82679, A	498	39.5	37.3	280	7	US-11-443-428A-1017459	Sequence 1017459, A
426	40	37.7	331	7	US-11-520-715-67697	Sequence 67697, A	499	39.5	37.3	282	7	US-11-056-355B-78421	Sequence 78421, A
427	40	37.7	332	7	US-11-520-715-56106	Sequence 56106, A	500	39.5	37.3	331	6	US-10-526-324-886	Sequence 886, App
428	40	37.7	337	7	US-11-056-355B-47340	Sequence 47340, A	501	39.5	37.3	443	7	US-11-443-428A-996029	Sequence 996029, A
429	40	37.7	358	7	US-11-056-355B-47339	Sequence 47339, A	502	39.5	37.3	485	6	US-10-666-642-196	Sequence 196, App
430	40	37.7	366	6	US-10-572-289-14	Sequence 14, Appl	503	39.5	37.3	485	7	US-11-642-814-196	Sequence 196, App
431	40	37.7	387	7	US-11-520-715-57146	Sequence 57146, A	504	39.5	37.3	548	6	US-10-526-324-825	Sequence 825, App
432	40	37.7	394	7	US-11-582-525A-9	Sequence 9, Appl	505	39.5	37.3	548	6	US-10-703-032-108306	Sequence 108306, A
433	40	37.7	394	7	US-11-582-525A-38	Sequence 38, Appl	506	39.5	37.3	627	7	US-11-056-355B-97506	Sequence 97506, A
434	40	37.7	394	7	US-11-582-525A-64	Sequence 64, Appl	507	39.5	37.3	790	7	US-11-056-355B-108745	Sequence 108745, A
435	40	37.7	396	7	US-11-431-855-21286	Sequence 21286, A	508	39.5	37.3	790	7	US-11-056-355B-97505	Sequence 97505, A
436	40	37.7	407	6	US-10-419-128-21346	Sequence 21346, A	509	39.5	37.3	825	7	US-11-056-355B-108744	Sequence 108744, A
437	40	37.7	409	6	US-10-419-128-21338	Sequence 21338, A	510	39.5	37.3	825	7	US-11-056-355B-97504	Sequence 97504, A
438	40	37.7	410	6	US-10-419-128-31174	Sequence 31174, A	511	39.5	37.3	881	7	US-11-056-355B-108743	Sequence 108743, A
439	40	37.7	411	6	US-11-241-607-15147	Sequence 15147, A	512	39.5	37.3	906	6	US-10-760-320A-3855	Sequence 3855, Ap
440	40	37.7	418	6	US-10-467-478-885	Sequence 885, App	513	39.5	37.3	1317	7	US-11-582-861-9915	Sequence 9915, Ap
441	40	37.7	428	7	US-11-520-715-41763	Sequence 41763, A	514	39	36.8	1317	7	US-10-603-113-23373	Sequence 23373, A
442	40	37.7	444	6	US-10-449-902-37554	Sequence 37554, A	515	39	36.8	60	6	US-11-441-828-3	Sequence 3, Appl
443	40	37.7	446	6	US-11-431-855-32107	Sequence 32107, A	516	39	36.8	72	7	US-11-443-428A-963165	Sequence 963165, A
444	40	37.7	456	7	US-10-056-355B-6562	Sequence 6562, Ap	517	39	36.8	74	7	US-11-486-448-88437	Sequence 88437, A
445	40	37.7	478	6	US-10-449-902-41899	Sequence 41899, A	518	39	36.8	74	7	US-11-443-428A-755310	Sequence 755310, A
446	40	37.7	485	7	US-11-241-607-15146	Sequence 15146, A	519	39	36.8	74	7	US-11-443-428A-954535	Sequence 954535, A
447	40	37.7	489	7	US-11-056-355B-47338	Sequence 47338, A	520	39	36.8	76	7	US-11-443-428A-920435	Sequence 920435, A
448	40	37.7	489	7	US-11-241-607-15145	Sequence 15145, A	521	39	36.8	76	7	US-11-443-428A-1005985	Sequence 1005985, A
449	40	37.7	504	6	US-10-449-902-36972	Sequence 36972, A	522	39	36.8	78	7	US-11-322-185-28	Sequence 28, Appl
450	40	37.7	504	6	US-11-056-355B-6661	Sequence 6661, Ap	523	39	36.8	92	7	US-11-443-428A-956006	Sequence 956006, A
451	40	37.7	511	7	US-11-434-137-9804	Sequence 9804, Ap	524	39	36.8	92	7	US-11-443-428A-972954	Sequence 972954, A
452	40	37.7	511	7	US-11-434-184-9804	Sequence 9804, Ap	525	39	36.8	99	7	US-11-443-428A-920802	Sequence 920802, A
453	40	37.7	511	7	US-11-434-199-9804	Sequence 9804, Ap	526	39	36.8	104	7	US-11-166-372-2979	Sequence 2979, Ap
454	40	37.7	511	7	US-11-434-203-9804	Sequence 9804, Ap	527	39	36.8	104	7	US-11-443-428A-939926	Sequence 939926, A
455	40	37.7	511	7	US-11-434-127-9804	Sequence 9804, Ap	528	39	36.8	117	6	US-10-953-349-36945	Sequence 36945, A
456	40	37.7	519	6	US-10-449-902-46012	Sequence 46012, A	529	39	36.8	120	6	US-10-703-032-150746	Sequence 150746, A
457	40	37.7	520	7	US-11-434-137-4676	Sequence 4676, Ap	530	39	36.8	121	6	US-10-405-027-4559	Sequence 4559, Ap
458	40	37.7	520	7	US-11-434-184-4676	Sequence 4676, Ap	531	39	36.8	121	6	US-10-405-027-4568	Sequence 4568, Ap
459	40	37.7	520	7	US-11-434-199-4676	Sequence 4676, Ap	532	39	36.8	122	7	US-11-443-428A-840964	Sequence 840964, A
460	40	37.7	520	7	US-11-434-203-4676	Sequence 4676, Ap	533	39	36.8	125	7	US-11-520-715-61946	Sequence 61946, A
461	40	37.7	520	7	US-11-434-127-4676	Sequence 4676, Ap	534	39	36.8	146	7	US-11-241-607-34789	Sequence 34789, A
462	40	37.7	546	7	US-11-291-644-34	Sequence 34, Appl	535	39	36.8	148	7	US-11-443-428A-994123	Sequence 994123, A
463	40	37.7	548	7	US-11-520-715-57015	Sequence 57015, A	536	39	36.8	151	7	US-11-443-428A-872905	Sequence 872905, A

537	39	36.8	154	7	US-11-443-428A-832682	Sequence 582682,	610	39	36.8	416	7	US-11-443-428A-840951	Sequence 840951,
538	39	36.8	155	7	US-11-043-591-58	Sequence 58, Appl	611	39	36.8	416	7	US-11-431-855-5200	Sequence 5200, Ap
539	39	36.8	155	7	US-11-443-428A-926206	Sequence 926206,	612	39	36.8	434	7	US-11-443-428A-1027356	Sequence 1027356,
540	39	36.8	159	7	US-11-443-428A-927776	Sequence 927776,	613	39	36.8	441	7	US-11-443-428A-983599	Sequence 983599,
541	39	36.8	160	6	US-10-533-520-5424	Sequence 5424, Ap	614	39	36.8	446	7	US-11-443-428A-795039	Sequence 795039,
542	39	36.8	167	7	US-11-443-428A-932441	Sequence 932441,	615	39	36.8	464	7	US-11-443-428A-968060	Sequence 968060,
543	39	36.8	172	7	US-11-520-715-41581	Sequence 41581, A	616	39	36.8	466	7	US-11-443-428A-832679	Sequence 832679,
544	39	36.8	192	7	US-11-371-354-69657	Sequence 69657, A	617	39	36.8	484	7	US-11-443-428A-840962	Sequence 840962,
545	39	36.8	192	7	US-11-443-428A-804993	Sequence 804993, A	618	39	36.8	492	7	US-11-443-428A-856368	Sequence 856368,
546	39	36.8	197	6	US-10-953-349-25396	Sequence 25396, A	619	39	36.8	493	7	US-11-443-428A-1012023	Sequence 1012023,
547	39	36.8	204	6	US-10-703-032-135803	Sequence 135803,	620	39	36.8	499	7	US-11-443-428A-837793	Sequence 837793,
548	39	36.8	203	6	US-11-443-428A-832680	Sequence 832680,	621	39	36.8	500	7	US-11-056-355B-107469	Sequence 107469,
549	39	36.8	207	6	US-10-953-349-25395	Sequence 25395, A	622	39	36.8	500	7	US-11-056-355B-118708	Sequence 118708,
550	39	36.8	208	7	US-11-043-591-57	Sequence 57, Appl	623	39	36.8	501	7	US-11-241-607-31560	Sequence 31560, A
551	39	36.8	210	6	US-10-603-113-18912	Sequence 18912, A	624	39	36.8	501	7	US-11-056-355B-107468	Sequence 107468,
552	39	36.8	220	7	US-11-443-428A-961922	Sequence 961922,	625	39	36.8	501	7	US-11-056-355B-118707	Sequence 118707,
553	39	36.8	226	7	US-11-443-428A-745626	Sequence 745626,	626	39	36.8	501	7	US-11-241-607-31559	Sequence 31559, A
554	39	36.8	226	7	US-11-443-428A-804997	Sequence 804997,	627	39	36.8	519	7	US-11-443-428A-839381	Sequence 839381,
555	39	36.8	226	7	US-11-443-428A-804999	Sequence 804999,	628	39	36.8	522	7	US-11-443-428A-832686	Sequence 832686,
556	39	36.8	226	7	US-11-443-428A-805000	Sequence 805000,	629	39	36.8	554	7	US-11-056-355B-107467	Sequence 107467,
557	39	36.8	241	7	US-11-486-448-83778	Sequence 83778, A	630	39	36.8	554	7	US-11-056-355B-118706	Sequence 118706,
558	39	36.8	242	7	US-11-443-428A-946815	Sequence 946815,	631	39	36.8	554	7	US-11-241-607-31558	Sequence 31558, A
559	39	36.8	244	6	US-10-703-032-123690	Sequence 123690,	632	39	36.8	582	6	US-10-917-503-15673	Sequence 15673, A
560	39	36.8	245	6	US-10-131-833A-280	Sequence 280, App	633	39	36.8	582	7	US-11-432-967-17	Sequence 17, Appl
561	39	36.8	245	6	US-10-964-241-280	Sequence 280, App	634	39	36.8	582	7	US-11-432-967-18	Sequence 18, Appl
562	39	36.8	245	7	US-11-238-035-16	Sequence 16, Appl	635	39	36.8	585	6	US-10-917-503-17135	Sequence 17135, A
563	39	36.8	245	7	US-11-238-035-34	Sequence 34, Appl	636	39	36.8	585	7	US-11-443-428A-877649	Sequence 877649,
564	39	36.8	245	7	US-11-240-891-11	Sequence 11, Appl	637	39	36.8	590	7	US-11-241-607-60761	Sequence 60761, A
565	39	36.8	245	7	US-11-371-354-59757	Sequence 59757, A	638	39	36.8	603	7	US-11-432-967-21	Sequence 21, Appl
566	39	36.8	245	7	US-11-514-821-2	Sequence 2, Appli	639	39	36.8	605	6	US-10-419-128-32874	Sequence 32874, A
567	39	36.8	245	7	US-11-443-428A-804994	Sequence 804994,	640	39	36.8	617	6	US-10-449-902-45338	Sequence 45338, A
568	39	36.8	245	7	US-11-443-428A-804995	Sequence 804995,	641	39	36.8	621	7	US-11-582-861-5389	Sequence 5389, Ap
569	39	36.8	245	7	US-11-614-840-24	Sequence 24, Appl	642	39	36.8	626	7	US-11-443-428A-840957	Sequence 840957,
570	39	36.8	245	7	US-11-514-821-11	Sequence 11, Appl	643	39	36.8	626	7	US-11-443-428A-840960	Sequence 840960,
571	39	36.8	247	7	US-11-443-428A-840963	Sequence 840963,	644	39	36.8	635	7	US-11-443-428A-856366	Sequence 856366,
572	39	36.8	252	7	US-11-443-428A-801811	Sequence 801811,	645	39	36.8	641	7	US-11-443-428A-840974	Sequence 840974,
573	39	36.8	252	7	US-11-443-428A-801819	Sequence 801819,	646	39	36.8	650	7	US-11-345-403-4	Sequence 4, Appli
574	39	36.8	254	6	US-10-953-349-24869	Sequence 24869, A	647	39	36.8	661	6	US-10-449-902-40875	Sequence 40875, A
575	39	36.8	254	6	US-11-293-697-2580	Sequence 2580, Ap	648	39	36.8	662	7	US-11-443-428A-840961	Sequence 840961,
576	39	36.8	254	7	US-11-056-355B-52480	Sequence 52480, A	649	39	36.8	665	6	US-10-449-902-54046	Sequence 54046, A
577	39	36.8	255	6	US-10-405-027-3232	Sequence 3232, Ap	650	39	36.8	665	7	US-11-443-428A-1030233	Sequence 1030233,
578	39	36.8	255	7	US-11-443-428A-804996	Sequence 804996,	651	39	36.8	666	7	US-11-443-428A-840967	Sequence 840967,
579	39	36.8	256	7	US-11-443-428A-1011941	Sequence 1011941,	652	39	36.8	668	7	US-11-443-428A-840975	Sequence 840975,
580	39	36.8	257	7	US-11-443-428A-943369	Sequence 943369,	653	39	36.8	669	7	US-11-345-403-2	Sequence 2, Appli
581	39	36.8	261	6	US-10-917-503-15779	Sequence 15779, A	654	39	36.8	669	7	US-11-371-354-70875	Sequence 70875, A
582	39	36.8	261	7	US-11-443-428A-804998	Sequence 804998, A	655	39	36.8	669	7	US-11-637-568-3	Sequence 3, Appli
583	39	36.8	266	6	US-10-449-902-52456	Sequence 52456, A	656	39	36.8	697	6	US-10-419-128-32689	Sequence 32689, A
584	39	36.8	281	7	US-11-443-428A-832685	Sequence 832685,	657	39	36.8	701	7	US-11-443-428A-832672	Sequence 832672,
585	39	36.8	288	7	US-11-443-428A-1022367	Sequence 1022367,	658	39	36.8	701	7	US-11-443-428A-840972	Sequence 840972,
586	39	36.8	294	6	US-10-457-478-2046	Sequence 2046, Ap	659	39	36.8	708	7	US-11-443-428A-877650	Sequence 877650,
587	39	36.8	300	6	US-11-443-428A-791182	Sequence 791182,	660	39	36.8	709	7	US-11-345-403-8	Sequence 8, Appli
588	39	36.8	302	7	US-11-443-428A-840976	Sequence 840976,	661	39	36.8	710	6	US-11-443-428A-1030232	Sequence 1030232,
589	39	36.8	305	7	US-11-371-354-12508	Sequence 12508, A	662	39	36.8	714	6	US-10-449-902-52458	Sequence 52458, A
590	39	36.8	307	7	US-11-371-354-54947	Sequence 54947, A	663	39	36.8	714	6	US-10-449-902-54765	Sequence 54765, A
591	39	36.8	307	7	US-11-371-354-76410	Sequence 76410, A	664	39	36.8	727	7	US-11-443-428A-832673	Sequence 832673,
592	39	36.8	307	7	US-11-371-354-76410	Sequence 76410, A	665	39	36.8	727	7	US-11-443-428A-832676	Sequence 832676,
593	39	36.8	317	7	US-11-056-355B-11572	Sequence 11572, A	666	39	36.8	728	7	US-11-443-428A-832677	Sequence 832677,
594	39	36.8	322	7	US-11-486-448-70285	Sequence 70285, A	667	39	36.8	728	7	US-11-345-403-6	Sequence 6, Appli
595	39	36.8	330	7	US-11-443-428A-880814	Sequence 880814,	668	39	36.8	732	7	US-11-443-428A-840973	Sequence 840973,
596	39	36.8	330	7	US-11-443-428A-880815	Sequence 880815,	669	39	36.8	739	7	US-11-441-828-2	Sequence 2, Appli
597	39	36.8	335	6	US-10-953-349-24868	Sequence 24868, A	670	39	36.8	743	7	US-11-443-428A-840966	Sequence 840966,
598	39	36.8	335	7	US-11-056-355B-52479	Sequence 52479, A	671	39	36.8	744	7	US-11-443-428A-840959	Sequence 840959,
599	39	36.8	341	7	US-11-056-355B-11571	Sequence 11571, A	672	39	36.8	753	6	US-11-443-428A-840968	Sequence 840968,
600	39	36.8	341	7	US-11-443-428A-1027354	Sequence 1027354,	673	39	36.8	755	6	US-10-990-328-13268	Sequence 13268, A
601	39	36.8	341	7	US-11-443-428A-1027358	Sequence 1027358,	674	39	36.8	761	7	US-11-441-828-6	Sequence 6, Appli
602	39	36.8	342	7	US-11-520-715-58859	Sequence 58859, A	675	39	36.8	763	7	US-11-443-428A-840958	Sequence 840958,
603	39	36.8	345	7	US-11-443-428A-880816	Sequence 880816,	676	39	36.8	764	6	US-10-529-348-2191	Sequence 2191, Ap
604	39	36.8	352	6	US-10-953-349-24867	Sequence 24867, A	677	39	36.8	764	7	US-11-371-354-73721	Sequence 73721, A
605	39	36.8	352	7	US-11-056-355B-52478	Sequence 52478, A	678	39	36.8	764	7	US-11-441-828-1	Sequence 1, Appli
606	39	36.8	381	6	US-10-419-128-25148	Sequence 25148, A	679	39	36.8	764	7	US-11-443-428A-840949	Sequence 840949,
607	39	36.8	394	7	US-11-336-706-19	Sequence 19, Appl	680	39	36.8	764	7	US-11-443-428A-840955	Sequence 840955,
608	39	36.8	404	6	US-10-449-902-44196	Sequence 44196, A	681	39	36.8	764	7	US-11-443-428A-840956	Sequence 840956,
609	39	36.8	405	7	US-11-330-403-12636	Sequence 12636, A	682	39	36.8	764	7	US-11-443-428A-840970	Sequence 840970,

683	39	36.8	764	7	US-11-443-428A-840971,	Sequence 840971,	756	38.5	36.3	213	6	US-10-703-032-208662	Sequence 208662,
684	39	36.8	764	7	US-11-584-766A-338	Sequence 338, App	757	38.5	36.3	266	6	US-10-467-478-180	Sequence 180, App
685	39	36.8	764	7	US-11-582-861-5388	Sequence 538, App	758	38.5	36.3	282	7	US-11-443-428A-878732	Sequence 878732,
686	39	36.8	775	7	US-11-043-824-334	Sequence 334, App	759	38.5	36.3	282	7	US-11-443-428A-878735	Sequence 878735,
687	39	36.8	800	7	US-11-486-321-139	Sequence 139, App	760	38.5	36.3	282	7	US-11-443-428A-878736	Sequence 878736,
688	39	36.8	817	7	US-11-443-428A-1030231	Sequence 1030231,	761	38.5	36.3	320	7	US-11-330-403-5682	Sequence 5682, App
689	39	36.8	836	7	US-11-443-428A-840952	Sequence 840952,	762	38.5	36.3	337	7	US-11-520-715-64313	Sequence 64313, A
690	39	36.8	851	6	US-10-990-328-13267	Sequence 13267, A	763	38.5	36.3	365	7	US-11-598-148-374	Sequence 374, App
691	39	36.8	851	7	US-11-443-428A-877645	Sequence 877645,	764	38.5	36.3	475	6	US-10-777-288A-3025	Sequence 3025, App
692	39	36.8	1011	7	US-11-443-428A-856367	Sequence 856367,	765	38.5	36.3	476	6	US-10-777-288A-3025	Sequence 3025, App
693	39	36.8	1087	7	US-11-443-428A-752778	Sequence 752778,	766	38.5	36.3	532	7	US-11-517-464-34	Sequence 34, Appl
694	39	36.8	1105	7	US-11-090-997-898	Sequence 898, App	767	38.5	36.3	610	5	US-09-976-858-236	Sequence 236, App
695	39	36.8	1111	7	US-11-443-428A-822292	Sequence 822292,	768	38.5	36.3	610	6	US-10-505-928-580	Sequence 580, App
696	39	36.8	1136	7	US-11-090-997-890	Sequence 890, App	769	38.5	36.3	610	7	US-11-212-799-236	Sequence 236, App
697	39	36.8	1144	7	US-11-090-997-892	Sequence 892, App	770	38.5	36.3	610	7	US-11-443-428A-813250	Sequence 813250,
698	39	36.8	1204	7	US-11-443-428A-822291	Sequence 822291,	771	38.5	36.3	610	7	US-11-443-428A-813250	Sequence 813250,
699	39	36.8	1204	7	US-11-443-428A-822291	Sequence 822291,	772	38.5	36.3	1016	7	US-11-443-428A-835076	Sequence 835076,
700	39	36.8	1204	7	US-11-443-428A-822295	Sequence 822295,	773	38.5	36.3	1152	6	US-10-219-0518-5341	Sequence 5341, App
701	39	36.8	1204	7	US-11-443-428A-822296	Sequence 822296,	774	38.5	36.3	1152	6	US-10-219-0518-5341	Sequence 5341, App
702	39	36.8	1204	7	US-11-443-428A-822297	Sequence 822297,	775	38.5	36.3	1152	6	US-10-219-0518-5341	Sequence 5341, App
703	39	36.8	1205	6	US-10-533-519-2012	Sequence 2012, App	776	38	35.8	1963	7	US-11-582-861-7159	Sequence 7159, App
704	39	36.8	1205	6	US-10-529-348-1186	Sequence 1186, App	777	38	35.8	1963	7	US-11-582-861-7159	Sequence 7159, App
705	39	36.8	1205	7	US-11-090-997-894	Sequence 894, App	778	38	35.8	78	7	US-11-322-185-30	Sequence 30, Appl
706	39	36.8	1258	6	US-10-990-328-13804	Sequence 13804, A	779	38	35.8	78	7	US-11-322-185-30	Sequence 30, Appl
707	39	36.8	1258	6	US-11-443-428A-839375	Sequence 839375,	780	38	35.8	78	7	US-11-443-428A-781237	Sequence 781237,
708	39	36.8	1318	6	US-10-449-902-52857	Sequence 52857, A	781	38	35.8	80	7	US-11-443-428A-986390	Sequence 986390,
709	39	36.8	1320	7	US-11-443-428A-856362	Sequence 856362,	782	38	35.8	80	7	US-10-703-032-179769	Sequence 179769,
710	39	36.8	1374	6	US-10-990-328-12803	Sequence 12803, A	783	38	35.8	86	6	US-10-603-113-22187	Sequence 22187, A
711	39	36.8	1374	6	US-11-443-428A-839376	Sequence 839376,	784	38	35.8	92	6	US-10-703-032-169134	Sequence 169134,
712	39	36.8	1374	7	US-11-443-428A-839377	Sequence 839377,	785	38	35.8	95	7	US-11-443-428A-1018893	Sequence 1018893,
713	39	36.8	1434	7	US-11-043-824-330	Sequence 330, App	786	38	35.8	95	7	US-10-703-032-177948	Sequence 177948,
714	39	36.8	1442	6	US-10-990-328-12802	Sequence 12802, A	787	38	35.8	100	7	US-11-443-428A-862894	Sequence 862894,
715	39	36.8	1445	6	US-11-582-861-8290	Sequence 8290, App	788	38	35.8	101	6	US-11-443-428A-987658	Sequence 987658,
716	39	36.8	1465	6	US-10-990-328-12805	Sequence 12805, A	789	38	35.8	101	6	US-11-443-428A-763588	Sequence 763588,
717	39	36.8	1465	6	US-10-990-328-12806	Sequence 12806, A	790	38	35.8	102	7	US-11-443-428A-763581	Sequence 763581,
718	39	36.8	1465	6	US-11-443-428A-839379	Sequence 839379,	791	38	35.8	117	7	US-11-443-428A-1018893	Sequence 1018893,
719	39	36.8	1465	7	US-11-443-428A-839380	Sequence 839380,	792	38	35.8	117	7	US-11-443-428A-1018893	Sequence 1018893,
720	39	36.8	1715	7	US-11-218-141-1346	Sequence 1346, App	793	38	35.8	119	6	US-10-703-032-177948	Sequence 177948,
721	39	36.8	1715	7	US-11-218-141-1347	Sequence 1347, App	794	38	35.8	120	7	US-11-443-428A-862894	Sequence 862894,
722	39	36.8	1721	7	US-11-443-428A-829632	Sequence 829632,	795	38	35.8	120	7	US-11-443-428A-862894	Sequence 862894,
723	39	36.8	1775	7	US-11-043-824-333	Sequence 333, App	796	38	35.8	121	7	US-11-443-428A-862899	Sequence 862899,
724	39	36.8	1847	7	US-11-043-824-332	Sequence 332, App	797	38	35.8	121	7	US-11-491-623-3	Sequence 3, Appl
725	39	36.8	1904	7	US-11-043-824-336	Sequence 336, App	798	38	35.8	121	7	US-11-380-836-1	Sequence 1, Appl
726	39	36.8	1927	6	US-10-990-328-14862	Sequence 14862, A	799	38	35.8	123	7	US-11-371-354-71955	Sequence 71955, A
727	39	36.8	1935	6	US-10-219-0518-10640	Sequence 10640, A	800	38	35.8	127	7	US-11-443-428A-763579	Sequence 763579,
728	39	36.8	1935	7	US-11-066-316A-1131	Sequence 1131, App	801	38	35.8	127	7	US-11-443-428A-763580	Sequence 763580,
729	39	36.8	1935	7	US-11-582-861-5682	Sequence 5682, App	802	38	35.8	127	7	US-11-443-428A-763583	Sequence 763583,
730	39	36.8	1939	7	US-11-043-824-338	Sequence 338, App	803	38	35.8	127	7	US-11-443-428A-763584	Sequence 763584,
731	39	36.8	1939	7	US-11-043-824-339	Sequence 339, App	804	38	35.8	127	7	US-11-443-428A-763585	Sequence 763585,
732	39	36.8	1939	7	US-11-043-824-340	Sequence 340, App	805	38	35.8	127	7	US-11-443-428A-763586	Sequence 763586,
733	39	36.8	1939	7	US-11-043-824-391	Sequence 391, App	806	38	35.8	127	7	US-11-443-428A-763590	Sequence 763590,
734	39	36.8	1939	7	US-11-582-861-5683	Sequence 5683, App	807	38	35.8	127	7	US-11-443-428A-763592	Sequence 763592,
735	39	36.8	1940	6	US-10-796-280-725	Sequence 725, App	808	38	35.8	127	7	US-11-443-428A-763593	Sequence 763593,
736	39	36.8	1940	6	US-11-066-316A-612	Sequence 612, App	809	38	35.8	127	7	US-11-443-428A-763594	Sequence 763594,
737	39	36.8	1941	7	US-11-443-428A-829631	Sequence 829631,	810	38	35.8	127	7	US-11-443-428A-763595	Sequence 763595,
738	39	36.8	1945	7	US-11-066-316A-1133	Sequence 1133, App	811	38	35.8	127	7	US-11-443-428A-862897	Sequence 862897,
739	39	36.8	1966	6	US-10-990-328-14863	Sequence 14863, A	812	38	35.8	128	7	US-11-443-428A-862899	Sequence 862899,
740	39	36.8	1966	6	US-10-990-328-14864	Sequence 14864, A	813	38	35.8	128	7	US-11-443-428A-862895	Sequence 862895,
741	39	36.8	1968	6	US-11-443-428A-829634	Sequence 829634,	814	38	35.8	128	7	US-11-443-428A-862896	Sequence 862896,
742	39	36.8	1994	6	US-10-294-433-339	Sequence 339, App	815	38	35.8	128	7	US-11-443-428A-862897	Sequence 862897,
743	39	36.8	2000	6	US-10-533-520-2062	Sequence 2062, App	816	38	35.8	128	7	US-11-443-428A-862898	Sequence 862898,
744	39	36.8	2000	6	US-10-990-328-14865	Sequence 14865, A	817	38	35.8	128	7	US-11-443-428A-862903	Sequence 862903,
745	39	36.8	2001	6	US-10-533-520-2060	Sequence 2060, App	818	38	35.8	128	7	US-11-443-428A-862904	Sequence 862904,
746	39	36.8	2041	6	US-10-294-433-338	Sequence 338, App	819	38	35.8	128	7	US-11-443-428A-862905	Sequence 862905,
747	39	36.8	2515	7	US-11-218-141-3914	Sequence 3914, App	820	38	35.8	128	7	US-11-443-428A-862906	Sequence 862906,
748	39	36.8	2515	7	US-11-218-141-3915	Sequence 3915, App	821	38	35.8	129	6	US-10-529-348-1182	Sequence 1182, App
749	38.5	36.3	61	7	US-11-443-428A-1016727	Sequence 1016727,	822	38	35.8	129	6	US-10-529-348-1182	Sequence 1182, App
750	38.5	36.3	73	7	US-11-486-448-102504	Sequence 102504,	823	38	35.8	131	6	US-10-533-520-4395	Sequence 4395, App
751	38.5	36.3	125	7	US-11-443-428A-949752	Sequence 949752,	824	38	35.8	131	6	US-10-533-520-4395	Sequence 4395, App
752	38.5	36.3	133	7	US-11-443-428A-742832	Sequence 742832,	825	38	35.8	132	7	US-11-207-802-5049	Sequence 5049, App
753	38.5	36.3	179	7	US-11-520-715-56378	Sequence 56378, A	826	38	35.8	132	7	US-11-208-607-2568	Sequence 2568, A
754	38.5	36.3	181	6	US-10-703-032-109313	Sequence 109313,	827	38	35.8	136	7	US-11-241-607-26567	Sequence 26567, A
755	38.5	36.3	204	7	US-11-443-428A-979552	Sequence 979552,	828	38	35.8	137	7	US-11-371-354-72615	Sequence 72615, A

829	38	35.8	141	7	US-11-486-448-107036	Sequence 107036,	902	38	35.8	330	6	US-10-449-902-51374	Sequence 51374, A
830	38	35.8	143	6	US-11-467-478-32111	Sequence 32111, Ap	903	38	35.8	334	7	US-11-166-372-3164	Sequence 3164, Ap
831	38	35.8	148	7	US-11-443-428A-792634	Sequence 792634,	904	38	35.8	334	7	US-11-443-428A-830168	Sequence 830168,
832	38	35.8	150	6	US-10-703-032-138858	Sequence 138858,	905	38	35.8	334	7	US-11-443-428A-830169	Sequence 830169,
833	38	35.8	151	6	US-10-703-032-123548	Sequence 123548,	906	38	35.8	334	7	US-11-443-428A-830177	Sequence 830177,
834	38	35.8	151	6	US-10-703-032-123549	Sequence 123549,	907	38	35.8	334	7	US-11-443-428A-830184	Sequence 830184,
835	38	35.8	151	6	US-11-520-715-71260	Sequence 71260, A	908	38	35.8	336	7	US-11-443-428A-977242	Sequence 977242,
836	38	35.8	151	7	US-11-241-607-63409	Sequence 63409, A	909	38	35.8	340	7	US-11-330-403-13101	Sequence 13101, A
837	38	35.8	155	7	US-11-214-063A-1136	Sequence 1136, Ap	910	38	35.8	343	7	US-11-520-715-69120	Sequence 69120, A
838	38	35.8	157	6	US-10-953-349-10842	Sequence 10842, A	911	38	35.8	356	7	US-11-443-428A-830182	Sequence 830182,
839	38	35.8	160	7	US-11-443-428A-961145	Sequence 961145,	912	38	35.8	357	7	US-11-443-428A-769158	Sequence 769158,
840	38	35.8	162	7	US-11-443-428A-961944	Sequence 961944,	913	38	35.8	358	7	US-11-520-715-52056	Sequence 52056, A
841	38	35.8	163	7	US-11-443-428A-1023740	Sequence 1023740,	914	38	35.8	358	7	US-11-486-448-71453	Sequence 71453, A
842	38	35.8	165	7	US-11-443-428A-862902	Sequence 862902,	915	38	35.8	360	6	US-10-413-128-17551	Sequence 17551, A
843	38	35.8	167	7	US-11-443-428A-866174	Sequence 866174,	916	38	35.8	364	6	US-10-703-032-118527	Sequence 118527,
844	38	35.8	171	7	US-11-050-875-1079	Sequence 1079, Ap	917	38	35.8	364	7	US-11-241-607-7220	Sequence 7220, Ap
845	38	35.8	171	7	US-11-443-428A-946677	Sequence 946677,	918	38	35.8	364	7	US-11-241-607-36693	Sequence 36693, A
846	38	35.8	174	7	US-11-443-428A-751770	Sequence 751770,	919	38	35.8	365	7	US-11-431-855-16940	Sequence 16940, A
847	38	35.8	177	6	US-10-703-032-206908	Sequence 206908,	920	38	35.8	365	7	US-11-431-855-18941	Sequence 18941, A
848	38	35.8	179	6	US-10-760-320A-3498	Sequence 3498, Ap	921	38	35.8	374	7	US-11-443-428A-769148	Sequence 769148,
849	38	35.8	179	7	US-11-293-697-2774	Sequence 2774, Ap	922	38	35.8	378	6	US-10-449-902-35942	Sequence 35942, A
850	38	35.8	182	7	US-11-443-428A-965328	Sequence 965328,	923	38	35.8	382	7	US-11-443-428A-906584	Sequence 906584,
851	38	35.8	188	7	US-11-443-428A-800446	Sequence 800446,	924	38	35.8	387	6	US-10-934-893-4975	Sequence 4975, Ap
852	38	35.8	206	6	US-10-703-032-187456	Sequence 187456,	925	38	35.8	389	7	US-11-443-428A-1009467	Sequence 1009467,
853	38	35.8	208	6	US-10-219-051B-1033	Sequence 1033, Ap	926	38	35.8	393	6	US-10-953-349-11701	Sequence 11701, A
854	38	35.8	209	7	US-11-443-428A-1018892	Sequence 1018892,	927	38	35.8	393	6	US-10-603-113-17475	Sequence 17475, A
855	38	35.8	212	6	US-10-449-902-52386	Sequence 52386, A	928	38	35.8	393	7	US-11-443-428A-830180	Sequence 830180,
856	38	35.8	216	6	US-10-405-027-3550	Sequence 3550, Ap	929	38	35.8	396	7	US-11-656-200-699	Sequence 699, Ap
857	38	35.8	216	6	US-10-990-328-13509	Sequence 13509, A	930	38	35.8	396	7	US-11-520-715-49090	Sequence 49090, A
858	38	35.8	216	6	US-10-990-328-13510	Sequence 13510, A	931	38	35.8	398	7	US-11-520-715-49090	Sequence 49090, A
859	38	35.8	216	7	US-11-371-354-69859	Sequence 69859, A	932	38	35.8	400	7	US-11-443-428A-830179	Sequence 830179,
860	38	35.8	216	7	US-11-371-354-77357	Sequence 77357, A	933	38	35.8	402	7	US-11-431-855-31621	Sequence 31621, A
861	38	35.8	216	7	US-11-487-623-1	Sequence 1, Appli	934	38	35.8	402	6	US-10-953-349-11700	Sequence 11700, A
862	38	35.8	216	7	US-11-582-861-10395	Sequence 10395, A	935	38	35.8	402	7	US-11-443-428A-906583	Sequence 906583,
863	38	35.8	216	7	US-11-320-665-3	Sequence 3, Appli	936	38	35.8	404	6	US-10-533-520-3600	Sequence 3600, Ap
864	38	35.8	217	6	US-10-703-032-137477	Sequence 137477,	937	38	35.8	404	7	US-11-371-354-68885	Sequence 68885, A
865	38	35.8	220	7	US-11-443-428A-1019599	Sequence 1019599,	938	38	35.8	404	7	US-11-443-428A-830167	Sequence 830167,
866	38	35.8	224	7	US-11-092-052-1818	Sequence 1818, Ap	939	38	35.8	404	7	US-11-443-428A-830170	Sequence 830170,
867	38	35.8	224	7	US-11-507-098A-1818	Sequence 1818, Ap	940	38	35.8	404	7	US-11-443-428A-830171	Sequence 830171,
868	38	35.8	224	7	US-11-507-097-1818	Sequence 1818, Ap	941	38	35.8	404	7	US-11-443-428A-830172	Sequence 830172,
869	38	35.8	227	7	US-11-443-428A-1018894	Sequence 1018894,	942	38	35.8	404	7	US-11-443-428A-830176	Sequence 830176,
870	38	35.8	234	7	US-11-443-428A-975439	Sequence 975439,	943	38	35.8	404	7	US-11-443-428A-830178	Sequence 830178,
871	38	35.8	235	7	US-11-520-715-59398	Sequence 59398, A	944	38	35.8	404	7	US-11-443-428A-830179	Sequence 830179,
872	38	35.8	237	7	US-11-443-428A-926947	Sequence 926947,	945	38	35.8	404	7	US-11-443-428A-830181	Sequence 830181,
873	38	35.8	240	7	US-11-443-428A-1008742	Sequence 1008742,	946	38	35.8	404	7	US-11-443-428A-830183	Sequence 830183,
874	38	35.8	242	7	US-11-520-715-47219	Sequence 47219, A	947	38	35.8	408	7	US-11-443-428A-1013505	Sequence 1013505,
875	38	35.8	242	7	US-11-656-200-705	Sequence 705, App	948	38	35.8	411	7	US-11-443-428A-975184	Sequence 975184,
876	38	35.8	243	7	US-11-330-403-1782	Sequence 1782, Ap	949	38	35.8	414	7	US-11-443-428A-767930	Sequence 767930,
877	38	35.8	243	7	US-11-568-436-1263	Sequence 1263, Ap	950	38	35.8	418	6	US-10-703-032-132954	Sequence 132954,
878	38	35.8	247	6	US-10-131-833A-284	Sequence 284, App	951	38	35.8	428	6	US-10-419-128-27023	Sequence 27023, A
879	38	35.8	247	6	US-10-964-241-284	Sequence 284, App	952	38	35.8	435	6	US-10-449-902-31266	Sequence 31266, A
880	38	35.8	247	7	US-11-238-035-17	Sequence 17, Appl	953	38	35.8	439	6	US-10-419-128-17127	Sequence 17127, A
881	38	35.8	247	7	US-11-240-891-13	Sequence 13, Appl	954	38	35.8	442	7	US-11-431-855-10686	Sequence 10686, A
882	38	35.8	247	7	US-11-478-193-975	Sequence 975, App	955	38	35.8	442	7	US-11-431-855-11614	Sequence 11614, A
883	38	35.8	247	7	US-11-443-428A-800447	Sequence 800447,	956	38	35.8	443	7	US-11-431-855-27747	Sequence 27747, A
884	38	35.8	247	7	US-11-614-840-23	Sequence 23, Appl	957	38	35.8	443	6	US-10-603-113-16816	Sequence 16816, A
885	38	35.8	252	6	US-10-526-572-15	Sequence 15, Appl	958	38	35.8	446	7	US-10-434-665-3908	Sequence 3908, Ap
886	38	35.8	252	7	US-11-611-037-14	Sequence 14, Appl	959	38	35.8	446	7	US-11-056-355B-39286	Sequence 39286, A
887	38	35.8	261	7	US-11-443-428A-1019598	Sequence 1019598,	960	38	35.8	446	7	US-11-056-355B-47354	Sequence 47354, A
888	38	35.8	266	7	US-11-443-428A-831766	Sequence 831766,	961	38	35.8	446	7	US-11-443-428A-1002674	Sequence 1002674,
889	38	35.8	274	6	US-10-990-328-11474	Sequence 11474, A	962	38	35.8	466	7	US-11-330-403-13454	Sequence 13454, A
890	38	35.8	279	7	US-11-443-428A-906576	Sequence 906576,	963	38	35.8	466	7	US-11-431-855-18540	Sequence 18540, A
891	38	35.8	279	7	US-11-486-448-62427	Sequence 62427, A	964	38	35.8	466	7	US-11-431-855-32399	Sequence 32399, A
892	38	35.8	284	7	US-11-516-230-26833	Sequence 26833, A	965	38	35.8	467	6	US-10-703-032-116995	Sequence 116995,
893	38	35.8	288	6	US-10-805-394-4613	Sequence 4613, Ap	966	38	35.8	476	6	US-10-449-902-43483	Sequence 43483, A
894	38	35.8	290	7	US-11-431-855-30078	Sequence 30078, A	967	38	35.8	476	6	US-11-431-855-28975	Sequence 28975, A
895	38	35.8	293	7	US-11-241-607-7222	Sequence 7222, Ap	968	38	35.8	477	7	US-11-431-855-23713	Sequence 23713, A
896	38	35.8	293	7	US-11-241-607-36695	Sequence 36695, A	969	38	35.8	478	7	US-11-431-855-9191	Sequence 9191, Ap
897	38	35.8	297	7	US-11-174-307B-5230	Sequence 5230, Ap	970	38	35.8	482	7	US-11-074-226-220	Sequence 220, App
898	38	35.8	297	7	US-11-241-607-7221	Sequence 7221, Ap	971	38	35.8	491	7	US-11-520-715-47215	Sequence 47215, A
899	38	35.8	297	7	US-11-241-607-36694	Sequence 36694, A	972	38	35.8	491	7	US-11-443-428A-816593	Sequence 816593,
900	38	35.8	303	7	US-11-516-230-26761	Sequence 26761, A	973	38	35.8	496	6	US-10-990-328-11473	Sequence 11473, A
901	38	35.8	319	6	US-10-449-902-33331	Sequence 33331, A	974	38	35.8	496	6	US-10-990-328-11475	Sequence 11475, A

RESULT 4

US-11-043-591-137
; Sequence 137, Application US/11043591
; Publication No. US20070082337A1
; GENERAL INFORMATION:
; APPLICANT: Sorek, Rotem
; APPLICANT: Pollock, Sarah
; APPLICANT: Diber, Alex
; APPLICANT: Levine, Zurit
; APPLICANT: Nemzer, Sergey
; APPLICANT: Kol, Guy
; APPLICANT: Wool, Assaf
; APPLICANT: Haviv, Ami
; APPLICANT: Cohen, Yuval
; APPLICANT: Cohen, Yossi
; APPLICANT: Shemesh, Ronen
; APPLICANT: Savitsky, Kinneret
; TITLE OF INVENTION: METHODS OF IDENTIFYING PUTATIVE GENE PRODUCTS BY INTERSPECIES SEQ
; TITLE OF INVENTION: COMPARISON AND BIOMOLECULAR SEQUENCES UNCOVERED THEREBY
; FILE REFERENCE: 28486
; CURRENT APPLICATION NUMBER: US/11/043,591
; CURRENT FILING DATE: 2005-01-27
; NUMBER OF SEQ ID NOS: 469
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 137
; LENGTH: 464
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: A novel predicted alternative spliced variant protein product

US-11-043-591-137

Query Match 100.0%; Score 106; DB 7; Length 464;
Best Local Similarity 100.0%; Pred. No. 1.2e-07;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LCTKEGVLLKGGKREEEKPF 20
|||
Db 264 LCTKEGVLLKGGKREEEKPF 283

RESULT 5

US-11-329-293-2
; Sequence 2, Application US/11329293
; Publication No. US20060141545A1
; GENERAL INFORMATION:
; APPLICANT: THORPE, PHILIP E.
; APPLICANT: RAN, SOPHIA
; TITLE OF INVENTION: CANCER TREATMENT KITS USING ANTIBODIES TO
; TITLE OF INVENTION: AMINOPHOSPHOLIPIDS
; FILE REFERENCE: 4001.002282
; CURRENT APPLICATION NUMBER: US/11/329,293
; CURRENT FILING DATE: 2006-01-10
; PRIOR APPLICATION NUMBER: US/09/351,862
; PRIOR FILING DATE: 1999-07-12
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 498
; TYPE: PRT
; ORGANISM: Homo sapiens

US-11-329-293-2

Query Match 100.0%; Score 106; DB 7; Length 498;
Best Local Similarity 100.0%; Pred. No. 1.3e-07;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LCTKEGVLLKGGKREEEKPF 20
|||
Db 264 LCTKEGVLLKGGKREEEKPF 283

RESULT 6

US-11-329-293-2

US-11-311-939-5

; Sequence 5, Application US/11311939
; Publication No. US20060246071A1
; GENERAL INFORMATION:
; APPLICANT: Green, Larry L.
; APPLICANT: Zhou, Qing
; APPLICANT: Keyt, Bruce A.
; APPLICANT: Yang, Xiao-Dong
; APPLICANT: Emery, Stephen
; APPLICANT: Blakey, David C.
; TITLE OF INVENTION: ANTIBODIES DIRECTED TO ANGIOPOIETIN-2
; TITLE OF INVENTION: AND USES THEREOF
; FILE REFERENCE: ABXAZ.002A
; CURRENT APPLICATION NUMBER: US/11/311,939
; CURRENT FILING DATE: 2005-12-19
; PRIOR APPLICATION NUMBER: US 60/638,354
; PRIOR FILING DATE: 2004-12-21
; PRIOR APPLICATION NUMBER: US 60/711,289
; PRIOR FILING DATE: 2005-08-25
; NUMBER OF SEQ ID NOS: 662
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 498
; TYPE: PRT
; ORGANISM: Mus musculus

US-11-311-939-5

Query Match 100.0%; Score 106; DB 7; Length 498;
Best Local Similarity 100.0%; Pred. No. 1.3e-07;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LCTKEGVLLKGGKREEEKPF 20
|||
Db 264 LCTKEGVLLKGGKREEEKPF 283

RESULT 7

US-11-582-861-8723
; Sequence 8723, Application US/11582861
; Publication No. US20070099251A1
; GENERAL INFORMATION:
; APPLICANT: Zhang, Hui
; APPLICANT: Aebersold, Rudolf H.
; TITLE OF INVENTION: TISSUE- AND SERUM-DERIVED GLYCOPROTEINS
; TITLE OF INVENTION: AND METHODS OF THEIR USE
; FILE REFERENCE: 460092.404
; CURRENT APPLICATION NUMBER: US/11/582,861
; CURRENT FILING DATE: 2006-10-17
; PRIOR APPLICATION NUMBER: US 60/728,044
; PRIOR FILING DATE: 2005-10-17
; NUMBER OF SEQ ID NOS: 14918
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8723
; LENGTH: 498
; TYPE: PRT
; ORGANISM: Homo sapiens

US-11-582-861-8723

Query Match 100.0%; Score 106; DB 7; Length 498;
Best Local Similarity 100.0%; Pred. No. 1.3e-07;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LCTKEGVLLKGGKREEEKPF 20
|||
Db 264 LCTKEGVLLKGGKREEEKPF 283

RESULT 8

US-11-519-954-3
; Sequence 3, Application US/11519954
; Publication No. US20070154482A1
; GENERAL INFORMATION:
; APPLICANT: Sukhatme, Vikas P.

```

; APPLICANT: Karumanchi, S. Ananth
; APPLICANT: Parikh, Samir M.
; TITLE OF INVENTION: Methods and Compositions for the Treatment and Diagnosis of
; TITLE OF INVENTION: Diseases Characterized by Vascular Leak, Hypotension, or a
; TITLE OF INVENTION: Procoagulant State
; FILE REFERENCE: 01948/121003
; CURRENT APPLICATION NUMBER: US/11/519,954
; CURRENT FILING DATE: 2006-09-12
; PRIOR APPLICATION NUMBER: US 60/798,639
; PRIOR FILING DATE: 2006-05-08
; PRIOR APPLICATION NUMBER: US 60/716,339
; PRIOR FILING DATE: 2005-09-12
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 3
; LENGTH: 498
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-519-954-3

Query Match      100.0%; Score 106; DB 7; Length 498;
Best Local Similarity 100.0%; Pred. No. 1.3e-07;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 LCTKEGVLKGGKREBEKPF 20
DB      264 LCTKEGVLKGGKREBEKPF 283

RESULT 9
US-11-329-293-5
; Sequence 5, Application US/11329293
; Publication No. US20060141545A1
; GENERAL INFORMATION:
; APPLICANT: THORPE, PHILIP E.
; APPLICANT: RAN, SOPHIA
; TITLE OF INVENTION: CANCER TREATMENT KITS USING ANTIBODIES TO
; TITLE OF INVENTION: AMINOPHOSPHOLIPIDS
; FILE REFERENCE: 4001.002282
; CURRENT APPLICATION NUMBER: US/11/329,293
; CURRENT FILING DATE: 2006-01-10
; PRIOR APPLICATION NUMBER: US/09/351,862
; PRIOR FILING DATE: 1999-07-12
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 495
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-329-293-5

Query Match      90.6%; Score 96; DB 7; Length 495;
Best Local Similarity 95.0%; Pred. No. 4.2e-06;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 LCTKEGVLKGGKREBEKPF 20
DB      261 LCTKEGVLKGGKREBEKPF 280

RESULT 10
US-11-371-354-63843
; Sequence 63843, Application US/11371354
; Publication No. US20060275794A1
; GENERAL INFORMATION:
; APPLICANT: CARRINO, JOHN
; APPLICANT: LIANG, FENG
; TITLE OF INVENTION: COLLECTIONS OF MATCHED BIOLOGICAL REAGENTS AND METHODS FOR
; TITLE OF INVENTION: IDENTIFYING MATCHED REAGENTS
; FILE REFERENCE: INV-1005-UT2
; CURRENT APPLICATION NUMBER: US/11/371,354
; CURRENT FILING DATE: 2006-03-07
; PRIOR APPLICATION NUMBER: 60/673,045
; APPLICANT: Sherman, Bradley K

```

```

; PRIOR FILING DATE: 2005-04-19
; PRIOR APPLICATION NUMBER: 60/665,199
; PRIOR FILING DATE: 2005-03-25
; PRIOR APPLICATION NUMBER: 60/665,200
; PRIOR FILING DATE: 2005-03-25
; PRIOR APPLICATION NUMBER: 60/659,493
; PRIOR FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: 60/659,492
; PRIOR FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: 60/953,586
; PRIOR FILING DATE: 2005-02-15
; PRIOR APPLICATION NUMBER: 60/651,390
; PRIOR FILING DATE: 2005-02-08
; NUMBER OF SEQ ID NOS: 78682
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 63843
; LENGTH: 147
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-371-354-63843

Query Match      84.4%; Score 89.5; DB 7; Length 147;
Best Local Similarity 95.0%; Pred. No. 1.2e-05;
Matches 19; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY      1 LCTKEGVLKGGKREBEKPF 20
DB      10 LCTKE-VLLKGGKREBEKPF 28

RESULT 11
US-11-311-939-2
; Sequence 2, Application US/11311939
; Publication No. US20060246071A1
; GENERAL INFORMATION:
; APPLICANT: Green, Larry L.
; APPLICANT: Zhou, Qing
; APPLICANT: Keyt, Bruce A.
; APPLICANT: Yang, Xiao-Dong
; APPLICANT: Emery, Stephen
; APPLICANT: Blakey, David C.
; TITLE OF INVENTION: ANTIBODIES DIRECTED TO ANGIOPOIETIN-2
; TITLE OF INVENTION: AND USES THEREOF
; FILE REFERENCE: ABXAZ.002A
; CURRENT APPLICATION NUMBER: US/11/311,939
; CURRENT FILING DATE: 2005-12-19
; PRIOR APPLICATION NUMBER: US 60/638,354
; PRIOR FILING DATE: 2004-12-21
; PRIOR APPLICATION NUMBER: US 60/711,289
; PRIOR FILING DATE: 2005-08-25
; NUMBER OF SEQ ID NOS: 662
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 497
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-311-939-2

Query Match      84.4%; Score 89.5; DB 7; Length 497;
Best Local Similarity 95.0%; Pred. No. 4.2e-05;
Matches 19; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY      1 LCTKEGVLKGGKREBEKPF 20
DB      264 LCTKE-VLLKGGKREBEKPF 282

RESULT 12
US-10-374-780A-1433
; Sequence 1433, Application US/10374780A
; Publication No. US20060162006A9
; GENERAL INFORMATION:
; APPLICANT: Sherman, Bradley K

```

```

/ APPLICANT: Riechmann, Jose Luis
/ APPLICANT: Jiang, Cai-Zhong
/ APPLICANT: Heard, Jacqueline E
/ APPLICANT: Haake, Volker
/ APPLICANT: Creelman, Robert A
/ APPLICANT: Ratcliffe, Oliver
/ APPLICANT: Adam, Luc J
/ APPLICANT: Reuber, T. Lynne
/ APPLICANT: Keddle, James
/ APPLICANT: Brown, Pierre E
/ APPLICANT: Pilgrim, Marsha L
/ APPLICANT: Dubell III, Arnold T
/ APPLICANT: Pineda, Omaira
/ APPLICANT: Yu Guo-Liang
/ TITLE OF INVENTION: POLYNUCLEOTIDE
/ FILE REFERENCE: MBI-0047 CIP
/ CURRENT APPLICATION NUMBER: US/1/1-02
/ CURRENT FILING DATE: 2003-02-25
/ PRIOR APPLICATION NUMBER: 09/837
/ PRIOR FILING DATE: 2001-04-18
/ PRIOR APPLICATION NUMBER: 60/310
/ PRIOR FILING DATE: 2001-08-09
/ PRIOR APPLICATION NUMBER: 09/934
/ PRIOR FILING DATE: 2001-08-22
/ PRIOR APPLICATION NUMBER: 60/336
/ PRIOR FILING DATE: 2001-11-19
/ PRIOR APPLICATION NUMBER: 60/338
/ PRIOR FILING DATE: 2001-12-11
/ PRIOR APPLICATION NUMBER: 10/171
/ PRIOR FILING DATE: 2002-06-14
/ PRIOR APPLICATION NUMBER: 10/225
/ PRIOR FILING DATE: 2002-08-09
/ PRIOR APPLICATION NUMBER: 10/225
/ PRIOR FILING DATE: 2002-08-09
/ PRIOR APPLICATION NUMBER: 10/225
/ PRIOR FILING DATE: 2002-08-09
/ PRIOR APPLICATION NUMBER: 10/225
/ NUMBER OF SEQ ID NOS: 2906
/ SOFTWARE: PatentIn version 3.2
/ SEQ ID NO 1433
/ LENGTH: 2623
/ TYPE: PR1
/ ORGANISM: Oryza sativa
/ FEATURE:
/ OTHER INFORMATION: Orthologous to
US-10-374-780A-1433

```

Query Match	48.1%	Score 51;	DB 6;	Length 2623;
Best Local Similarity	71.4%;	Pred. No. 1.9e+02;		
Matches 10;	Conservative	0;	Mismatches 4;	Gaps 0;
			Indels	

Qy 1 LCTKEGVLLKGGKR 14
Db 1857 LCEMNGVLTGGKR 1870

RESULT 13

US-10-412-699B-1519

Sequence 1519, Application US/10412699B

Publication No. US20070061911A9

GENERAL INFORMATION:

APPLICANT: Zeng Biotechnology, Inc.

APPLICANT: Zhang, James

APPLICANT: Fromm, Michael E.

APPLICANT: Heard, Jacqueline E.

APPLICANT: Riechmann, Jose Luis

APPLICANT: Adam, Luc J.

APPLICANT: Broun, Pierre E.

APPLICANT: Pineda, Omalra

APPLICANT: Reuber, T. Lynne

APPLICANT: Keddie, James S.

APPLICANT: Yu, Guo-Liang

APPLICANT: Jiang, Cai-Zhong

APPLICANT: Samaha, Raymond R.

```

; APPLICANT: Pilgrim, Marsha L.
; APPLICANT: Creelman, Robert A.
; APPLICANT: DuBell, Arnold N.
; APPLICANT: Ratcliffe, Oliver
; APPLICANT: Kumimoto, Roderick
; APPLICANT: Sherman, Bradley K.
; TITLE OF INVENTION: Polynucleotides and Polypeptides in Plants
; FILE REFERENCE: MBI-0048CIP
; CURRENT APPLICATION NUMBER: US/10/412,699B
; CURRENT FILING DATE: 2003-04-10
; PRIOR APPLICATION NUMBER: 09/394,519
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: 09/489,376
; PRIOR FILING DATE: 2000-01-21
; PRIOR APPLICATION NUMBER: 09/506,720
; PRIOR FILING DATE: 2000-02-17
; PRIOR APPLICATION NUMBER: 09/533,030
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 09/533,392
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 09/533,029
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 09/532,591
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 09/533,648
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 09/713,994
; PRIOR FILING DATE: 2000-11-16
; PRIOR APPLICATION NUMBER: 09/819,142
; PRIOR FILING DATE: 2001-03-27
; Remaining Prior Application data removed - See File Wrapper or
; NUMBER OF SEQ ID NOS: 2011.
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1519
; LENGTH: 2623
; TYPE: PRT
; ORGANISM: Oryza sativa
; US-10-412-699B-1519

```

Query Match 48.1%; Score 51; DB 6; Length 2623;
Best Local Similarity 71.4%; Pred. No. 1.9e+02;
Matches 10; Conservative 0; Mismatches 4; Indels

Qy . 1 LCTKEGVLLKGGKR 14
Db 1857 LCEMNGVLTGGKR 1870

```

RESULT 14
US-11-366-965-679
US-11-366-965, Application US/11366965
; Publication No. US20060234260A1
; GENERAL INFORMATION:
; APPLICANT: Griffais, Remy
; APPLICANT: Holseth, Susan K.
; APPLICANT: Zagursky, Robert John
; APPLICANT: Metcalf, Benjamin J.
; APPLICANT: Peek, Joel A.
; APPLICANT: Sankaran, Banunathi
; APPLICANT: Fletcher, Leah Diane
; TITLE OF INVENTION: CHLAMYDIA TRACHOMATIS
; TITLE OF INVENTION: DNA CHIPS OR KIT
; FILE REFERENCE: GEN-T109X
; CURRENT APPLICATION NUMBER: US/11/366965
; CURRENT FILING DATE: 2006-03-02
; PRIOR APPLICATION NUMBER: US/09/201,130
; PRIOR FILING DATE: 1998-11-30
; PRIOR APPLICATION NUMBER: US 60/107,107
; PRIOR FILING DATE: 1998-11-04
; PRIOR APPLICATION NUMBER: FR 97-1503
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: FR 97-1504
; PRIOR FILING DATE: 1997-11-28

```

; APPLICANT: Mendel Biotechnology, Inc.
 ; GENERAL INFORMATION:
 ; APPLICANT: Zhang, James
 ; TITLE OF INVENTION: DNA CHIPS OR KITS CONTAINING THE SAME
 ; TITLE OF INVENTION: CHLAMYDIA TRACHOMATIS POLYNUCLEOTIDES AND VECTORS, RECOMBINANT HOSTS
 ; APPLICANT: Fletcher, Leah Diane
 ; TITLE OF INVENTION: CHLAMYDIA TRACHOMATIS POLYNUCLEOTIDES AND VECTORS, RECOMBINANT HOSTS

```
; NUMBER OF SEQ ID NOS: 5982
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 679
; LENGTH: 453
; TYPE: PRT
; ORGANISM: Chlamydia trachomatis
US-11-366-965-679

Query Match      46.2%; Score 49; DB 7; Length 453;
Best Local Similarity 81.8%; Pred. No. 61;
Matches 9; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      2 CTKGVLKGG 12
DB      349 CAGHGVLLKGG 359

RESULT 15
US-10-434-665-5427
; Sequence 5427, Application US/10434665
; Publication No. US20070021600A1
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; TITLE OF INVENTION: ENTEROCOCCUS FAECALIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: PATH03-09
; CURRENT APPLICATION NUMBER: US/10/434,665
; PRIOR FILING DATE: 2003-05-14
; PRIOR APPLICATION NUMBER: US 09/134,000
; PRIOR FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/055,778
; PRIOR FILING DATE: 1997-08-15
; NUMBER OF SEQ ID NOS: 6812
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5427
; LENGTH: 719
; TYPE: PRT
; ORGANISM: Enterococcus faecalis
US-10-434-665-5427

Query Match      46.2%; Score 49; DB 6; Length 719;
Best Local Similarity 61.1%; Pred. No. 98;
Matches 11; Conservative 3; Mismatches 2; Indels 2; Gaps 1;

QY      4 KEG--VLLKGGKREBEKP 19
DB      128 EGGSVILKGGKVENRP 145

RESULT 16
US-11-443-428A-963451
; Sequence 963451, Application US/11443428A
; Publication No. US20070083334A1
; GENERAL INFORMATION:
; APPLICANT: Mintz, Liat
; APPLICANT: Xie, Hangqing
; APPLICANT: Dahari, Dvir
; APPLICANT: Levanon, Erez
; APPLICANT: Freilich, Shiri
; APPLICANT: Beck, Nili
; APPLICANT: Zhu, Wei-Yong
; APPLICANT: Wasserman, Alon
; APPLICANT: Hermeesh, Chen
; APPLICANT: Azar, Idit
; APPLICANT: Bernstein, Jeanne
; TITLE OF INVENTION: METHODS AND SYSTEMS USEFUL FOR ANNOTATING BIOMOLECULAR SEQUENCES
; FILE REFERENCE: 02/23929
; CURRENT APPLICATION NUMBER: US/11/443,428A
; CURRENT FILING DATE: 2006-05-31
; NUMBER OF SEQ ID NOS: 1034312
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 963451
; LENGTH: 203
```

```
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-443-428A-963451

Query Match      44.3%; Score 47; DB 7; Length 203;
Best Local Similarity 52.9%; Pred. No. 53;
Matches 9; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

QY      2 CTKGVLKGGKREBEK 18
DB      23 CASREPLKGGPREKR 39

RESULT 17
US-10-533-520-833
; Sequence 833, Application US/10533520
; Publication No. US20070048301A1
; GENERAL INFORMATION:
; APPLICANT: GENENTECH, INC.
; APPLICANT: CLARK, HILARY
; APPLICANT: HUNTE, BRISDELL
; APPLICANT: JACKMAN, JANET
; APPLICANT: SCHOENFELD, JILL
; APPLICANT: WILLIAMS, P. MICKEY
; APPLICANT: WOOD, WILLIAM I.
; APPLICANT: WU, THOMAS D.
; APPLICANT: BODARY, SARAH
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE TREATMENT OF IMMUNE
; TITLE OF INVENTION: RELATED DISEASES
; FILE REFERENCE: P1994R1 US
; CURRENT APPLICATION NUMBER: US/10/533,520
; CURRENT FILING DATE: 2005-04-28
; PRIOR APPLICATION NUMBER: US 60/429,069
; PRIOR FILING DATE: 2002-11-26
; NUMBER OF SEQ ID NOS: 6621
; SEQ ID NO 833
; LENGTH: 591
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-533-520-833

Query Match      43.9%; Score 46.5; DB 6; Length 591;
Best Local Similarity 31.4%; Pred. No. 1.9e+02;
Matches 11; Conservative 4; Mismatches 5; Indels 15; Gaps 1;

QY      1 LCTKGVLLKGG-----KREBEKPF 20
DB      361 LCSANGVLVPGFGVGTGKIQAIWARKQKPF 395

RESULT 18
US-10-990-328-12166
; Sequence 12166, Application US/10990328
; Publication No. US20070054278A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; TITLE OF INVENTION: POLYMORPHISMS IN NUCLEIC ACID MOLECULES
; TITLE OF INVENTION: ENCODING HUMAN ENZYME PROTEINS, METHODS OF DETECTION AND
; TITLE OF INVENTION: USES THEREOF
; FILE REFERENCE: CL001495
; CURRENT APPLICATION NUMBER: US/10/990,328
; CURRENT FILING DATE: 2004-11-17
; NUMBER OF SEQ ID NOS: 558824
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12166
; LENGTH: 591
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-990-328-12166

Query Match      43.9%; Score 46.5; DB 6; Length 591;
Best Local Similarity 31.4%; Pred. No. 1.9e+02;
Matches 11; Conservative 4; Mismatches 5; Indels 15; Gaps 1;
```


Db 66 KEGVNRGRRRRVSP 81

RESULT 23

US-10-953-349-31785
; Sequence 31785, Application US/109533349
; Publication No. US20060107345A1
; GENERAL INFORMATION:
; APPLICANT: ALEXANDROV, Nikolai et al.
; TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
; FILE REFERENCE: 2750-1579PUS2
; CURRENT APPLICATION NUMBER: US/10/953,349
; CURRENT FILING DATE: 2004-09-30
; NUMBER OF SEQ ID NOS: 40252
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 31785
; LENGTH: 228
; TYPE: prt
; ORGANISM: Triticum aestivum
US-10-953-349-31785

Query Match 43.4%; Score 46; DB 6; Length 228;
Best Local Similarity 61.5%; Pred. No. 85;
Matches 8; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 6 GVLLKGGKREEEK 18

Db 89 GLLEGSKREDEK 101

RESULT 24

US-11-056-355B-55870
; Sequence 55870, Application US/11056355B
; Publication No. US20060150283A1
; GENERAL INFORMATION:
; APPLICANT: Brover, Vyacheslav
; APPLICANT: Alexandrov, Nikolai
; TITLE OF INVENTION: Sequence Determined DNA Fragments and Corresponding
; FILE REFERENCE: 2750-1590PUS2
; CURRENT APPLICATION NUMBER: US/11/056,355B
; CURRENT FILING DATE: 2005-02-14
; PRIOR APPLICATION NUMBER: 60/544,190
; PRIOR FILING DATE: 2004-02-13
; NUMBER OF SEQ ID NOS: 119966
; SEQ ID NO 55870
; LENGTH: 228
; TYPE: prt
; ORGANISM: Glycine max
; NAME/KEY: peptide
; LOCATION: (1)..(228)
; OTHER INFORMATION: Ceres Seq. ID NO. 12610009
US-11-056-355B-55870

Query Match 43.4%; Score 46; DB 7; Length 228;
Best Local Similarity 61.5%; Pred. No. 85;
Matches 8; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 6 GVLLKGGKREEEK 18

Db 89 GLLEGSKREDEK 101

RESULT 25

US-11-056-355B-62345
; Sequence 62345, Application US/11056355B
; Publication No. US20060150283A1
; GENERAL INFORMATION:
; APPLICANT: Brover, Vyacheslav
; APPLICANT: Alexandrov, Nikolai
; TITLE OF INVENTION: Sequence Determined DNA Fragments and Corresponding

; TITLE OF INVENTION: Polypeptides Encoded Thereby
; FILE REFERENCE: 2750-1590PUS2
; CURRENT APPLICATION NUMBER: US/11/056,355B
; CURRENT FILING DATE: 2005-02-14
; PRIOR APPLICATION NUMBER: 60/544,190
; PRIOR FILING DATE: 2004-02-13
; NUMBER OF SEQ ID NOS: 119966
; SEQ ID NO 62345
; LENGTH: 228
; TYPE: prt
; ORGANISM: Triticum aestivum
; NAME/KEY: peptide
; LOCATION: (1)..(228)
; OTHER INFORMATION: Ceres Seq. ID no. 14302450
US-11-056-355B-62345

Query Match 43.4%; Score 46; DB 7; Length 228;
Best Local Similarity 61.5%; Pred. No. 85;
Matches 8; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 6 GVLLKGGKREEEK 18

Db 89 GLLEGSKREDEK 101

RESULT 26

US-11-241-607-32705
; Sequence 32705, Application US/11241607
; Publication No. US20070039067A1
; GENERAL INFORMATION:
; APPLICANT: Makarov, Vladimir
; APPLICANT: Brover, Vyacheslav
; APPLICANT: Feldmann, Kenneth
; APPLICANT: Swaller, Timothy
; TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
; FILE REFERENCE: 2750-1609PUS2
; CURRENT APPLICATION NUMBER: US/11/241,607
; CURRENT FILING DATE: 2005-09-30
; PRIOR APPLICATION NUMBER: US 60/615,270
; PRIOR FILING DATE: 2004-09-30
; PRIOR APPLICATION NUMBER: US 60/635,140
; PRIOR FILING DATE: 2004-12-08
; PRIOR APPLICATION NUMBER: US 60/637,104
; PRIOR FILING DATE: 2004-12-16
; PRIOR APPLICATION NUMBER: US 60/638,820
; PRIOR FILING DATE: 2004-12-22
; PRIOR APPLICATION NUMBER: US 60/637,210
; PRIOR FILING DATE: 2004-12-16
; PRIOR APPLICATION NUMBER: US 60/615,055
; PRIOR FILING DATE: 2004-09-30
; PRIOR APPLICATION NUMBER: US 60/614,271
; PRIOR FILING DATE: 2004-09-30
; PRIOR APPLICATION NUMBER: US 60/614,332
; PRIOR FILING DATE: 2004-09-30
; PRIOR APPLICATION NUMBER: US 60/627,206
; PRIOR FILING DATE: 2004-11-12
; PRIOR APPLICATION NUMBER: US 60/615,080
; PRIOR FILING DATE: 2004-09-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 66429
; SEQ ID NO 32705
; LENGTH: 228
; TYPE: prt
; ORGANISM: Glycine max
; NAME/KEY: misc feature
; LOCATION: (1)..(228)
; OTHER INFORMATION: Ceres Seq. ID no. 24771001
US-11-241-607-32705

Query Match 43.4%; Score 46; DB 7; Length 228;
Best Local Similarity 61.5%; Pred. No. 85;

Matches 8; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

Qy 6 GVLLKGGKREEK 18
|:|:|:|:|:|:|:|:
Db 89 GLLLEGGKREDEK 101

RESULT 27

US-11-241-607-34729
; Sequence 34729, Application US/11241607
; Publication No. US20070039067A1
; GENERAL INFORMATION:
; APPLICANT: Makarov, Vladimir
; APPLICANT: Brover, Vyacheslav
; APPLICANT: Feldmann, Kenneth
; APPLICANT: Swaller, Timothy
; TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
; FILE REFERENCE: 2750-1609PUS2
; CURRENT APPLICATION NUMBER: US/11/241,607
; CURRENT FILING DATE: 2005-09-30
; PRIOR APPLICATION NUMBER: US 60/615,270
; PRIOR FILING DATE: 2004-09-30
; PRIOR APPLICATION NUMBER: US 60/635,140
; PRIOR FILING DATE: 2004-12-08
; PRIOR APPLICATION NUMBER: US 60/637,104
; PRIOR FILING DATE: 2004-12-16
; PRIOR APPLICATION NUMBER: US 60/638,820
; PRIOR FILING DATE: 2004-12-22
; PRIOR APPLICATION NUMBER: US 60/614,271
; PRIOR FILING DATE: 2004-12-16
; PRIOR APPLICATION NUMBER: US 60/615,055
; PRIOR FILING DATE: 2004-09-30
; PRIOR APPLICATION NUMBER: US 60/627,206
; PRIOR FILING DATE: 2004-11-12
; PRIOR APPLICATION NUMBER: US 60/615,080
; PRIOR FILING DATE: 2004-09-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; SEQ ID NO 34729
; LENGTH: 228
; TYPE: PRT
; ORGANISM: Triticum aestivum
; NAME/KEY: misc_feature
; LOCATION: (1)..(228)
; OTHER INFORMATION: Pfam Name: Cwf15/Cwc15; Pfam Description: Cwf15/Cwc15 cell cycle co

Qy 6 GVLLKGGKREEK 18
|:|:|:|:|:|:|:|:
Db 89 GLLLEGGKREDEK 101

RESULT 28

US-11-241-607-63177
; Sequence 63177, Application US/11241607
; Publication No. US20070039067A1
; GENERAL INFORMATION:
; APPLICANT: Makarov, Vladimir
; APPLICANT: Brover, Vyacheslav
; APPLICANT: Feldmann, Kenneth
; APPLICANT: Swaller, Timothy
; TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
; FILE REFERENCE: 2750-1609PUS2
; CURRENT APPLICATION NUMBER: US/11/241,607

; CURRENT FILING DATE: 2005-09-30
; PRIOR APPLICATION NUMBER: US 60/615,270
; PRIOR FILING DATE: 2004-09-30
; PRIOR APPLICATION NUMBER: US 60/635,140
; PRIOR FILING DATE: 2004-12-08
; PRIOR APPLICATION NUMBER: US 60/637,104
; PRIOR FILING DATE: 2004-12-16
; PRIOR APPLICATION NUMBER: US 60/638,820
; PRIOR FILING DATE: 2004-12-22
; PRIOR APPLICATION NUMBER: US 60/637,210
; PRIOR FILING DATE: 2004-12-16
; PRIOR APPLICATION NUMBER: US 60/615,055
; PRIOR FILING DATE: 2004-09-30
; PRIOR APPLICATION NUMBER: US 60/614,271
; PRIOR FILING DATE: 2004-09-30
; PRIOR APPLICATION NUMBER: US 60/614,332
; PRIOR FILING DATE: 2004-09-30
; PRIOR APPLICATION NUMBER: US 60/627,206
; PRIOR FILING DATE: 2004-11-12
; PRIOR APPLICATION NUMBER: US 60/615,080
; PRIOR FILING DATE: 2004-09-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 66429
; SEQ ID NO 63177
; LENGTH: 228
; TYPE: PRT
; ORGANISM: Triticum aestivum
; NAME/KEY: misc_feature
; LOCATION: (1)..(228)
; OTHER INFORMATION: Pfam Name: Cwf15/Cwc15; Pfam Description: Cwf15/Cwc15 cell cycle co

Qy 6 GVLLKGGKREEK 18
|:|:|:|:|:|:|:|:
Db 89 GLLLEGGKREDEK 101

RESULT 29

US-11-241-607-64377
; Sequence 64377, Application US/11241607
; Publication No. US20070039067A1
; GENERAL INFORMATION:
; APPLICANT: Makarov, Vladimir
; APPLICANT: Brover, Vyacheslav
; TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
; FILE REFERENCE: 2750-1609PUS2
; CURRENT APPLICATION NUMBER: US/11/241,607

Qy 6 GVLLKGGKREEK 18
|:|:|:|:|:~|:|:|:
Db 89 GLLLEGGKREDEK 101

RESULT 30

US-11-241-607-63177
; Sequence 63177, Application US/11241607
; Publication No. US20070039067A1
; GENERAL INFORMATION:
; APPLICANT: Makarov, Vladimir
; APPLICANT: Brover, Vyacheslav
; APPLICANT: Feldmann, Kenneth
; APPLICANT: Swaller, Timothy
; TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
; FILE REFERENCE: 2750-1609PUS2
; CURRENT APPLICATION NUMBER: US/11/241,607

Qy 6 GVLLKGGKREEK 18
|:|:~|:|:|:|:|:|:
Db 89 GLLLEGGKREDEK 101

RESULT 31

US-11-241-607-63177
; Sequence 63177, Application US/11241607
; Publication No. US20070039067A1
; GENERAL INFORMATION:
; APPLICANT: Makarov, Vladimir
; APPLICANT: Brover, Vyacheslav
; APPLICANT: Feldmann, Kenneth
; APPLICANT: Swaller, Timothy
; TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
; FILE REFERENCE: 2750-1609PUS2
; CURRENT APPLICATION NUMBER: US/11/241,607

Qy 6 GVLLKGGKREEK 18
|:|:~|:|:~|:|:|:|:
Db 89 GLLLEGGKREDEK 101

```

; APPLICANT: Feldmann, Kenneth
; APPLICANT: Swaller, Timothy
; TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
; FILE REFERENCE: 2750-1609PUS2
; CURRENT APPLICATION NUMBER: US/11/241,607
; CURRENT FILING DATE: 2005-09-30
; PRIOR APPLICATION NUMBER: US 60/615,270
; PRIOR FILING DATE: 2004-09-30
; PRIOR APPLICATION NUMBER: US 60/635,140
; PRIOR FILING DATE: 2004-12-08
; PRIOR APPLICATION NUMBER: US 60/637,104
; PRIOR FILING DATE: 2004-12-16
; PRIOR APPLICATION NUMBER: US 60/638,820
; PRIOR FILING DATE: 2004-12-22
; PRIOR APPLICATION NUMBER: US 60/637,210
; PRIOR FILING DATE: 2004-12-16
; PRIOR APPLICATION NUMBER: US 60/615,055
; PRIOR FILING DATE: 2004-09-30
; PRIOR APPLICATION NUMBER: US 60/614,271
; PRIOR FILING DATE: 2004-09-30
; PRIOR APPLICATION NUMBER: US 60/614,332
; PRIOR FILING DATE: 2004-09-30
; PRIOR APPLICATION NUMBER: US 60/627,206
; PRIOR FILING DATE: 2004-11-12
; PRIOR APPLICATION NUMBER: US 60/615,080
; PRIOR FILING DATE: 2004-09-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 66429
; SEQ ID NO 64377
; LENGTH: 228
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)-(228)
; OTHER INFORMATION: Pfam Name: Cwf_Cwc_15; Pfam Description: Cwf15/Cwc15 cell cycle c
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: GI Number: 34897750; NR Description: ESTs AU032852(S15362),AU0705
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: GI Number: 46329463; NR Description: MGC81091 protein [Xenopus la
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: GI Number: 61868546; NR Description: RIKEN cDNA 0610040D20, par
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: GI Number: 28829868; NR Description: T10C6.5.p [Caenorhabditis e
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: GI Number: 23612595; NR Description: cell cycle control protein c
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: GI Number: 23489775; NR Description: Dictyostelium discoideum HSP
US-11-241-607-64377

Query Match 43.4%; Score 46; DB 7; Length 228;
Best Local Similarity 61.5%; Pred. No. 85;
Matches 8; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 6 GVLLGGKREEEK 18
DB 89 GILLEGSKRDEDK 101

RESULT 30
US-11-443-428A-965832

```

```

; Sequence 965832, Application US/11443428A
; Publication No. US20070083334A1
; GENERAL INFORMATION:
; APPLICANT: Mintz, Liat
; APPLICANT: Xie, Hanguang
; APPLICANT: Dahari, Dvir
; APPLICANT: Levanon, Erez
; APPLICANT: Freilich, Shiri
; APPLICANT: Beck, Nili
; APPLICANT: Zhu, Wei-Yong
; APPLICANT: Wasserman, Alon
; APPLICANT: Hermesh, Chen
; APPLICANT: Azar, Idit
; APPLICANT: Bernstein, Jeanne
; TITLE OF INVENTION: METHODS AND SYSTEMS USEFUL FOR ANNOTATING BIOMOLECULAR SEQUENCES
; FILE REFERENCE: 02/23929
; CURRENT APPLICATION NUMBER: US/11/443,428A
; CURRENT FILING DATE: 2006-05-31
; NUMBER OF SEQ ID NOS: 1034312
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 965832
; LENGTH: 303
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-443-428A-965832

Query Match 43.4%; Score 46; DB 7; Length 303;
Best Local Similarity 47.4%; Pred. No. 1.1e+02;
Matches 9; Conservative 2; Mismatches 8; Indels 0; Gaps 0;

QY 1 LCTKEGVLLKGGKREEEKP 19
DB 70 LCTSKNKNKMGSPFHEKP 88

RESULT 31
US-10-917-503-11210
; Sequence 11210, Application US/10917503.
; Publication No. US20070105122A1
; GENERAL INFORMATION:
; APPLICANT: OTA, TOSHIO
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: NISHIKAWA, TETSUO
; APPLICANT: HAYASHI, KOJI
; APPLICANT: SAITO, KAORU
; APPLICANT: YAMAMOTO, JUNICHI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: WAKAMATSU, AI
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: OTSUKI, TETSUJI
; TITLE OF INVENTION: PRIMERS FOR SYNTHESIZING FULL-LENGTH cDNA AND THEIR USE
; FILE REFERENCE: 084335/0123
; CURRENT APPLICATION NUMBER: US/10/917,503
; CURRENT FILING DATE: 2004-03-13
; PRIOR APPLICATION NUMBER: US/09/629,469
; PRIOR FILING DATE: 2000-07-28
; PRIOR APPLICATION NUMBER: JP 1999-248036
; PRIOR FILING DATE: 1999-07-29
; PRIOR APPLICATION NUMBER: JP 1999-300253
; PRIOR FILING DATE: 1999-08-27
; PRIOR APPLICATION NUMBER: JP 2000-118776
; PRIOR FILING DATE: 2000-01-11
; PRIOR APPLICATION NUMBER: JP 2000-183767
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: JP 2000-241899
; PRIOR FILING DATE: 2000-06-09
; PRIOR APPLICATION NUMBER: 60/159,590
; PRIOR FILING DATE: 1999-10-18
; PRIOR APPLICATION NUMBER: 60/183,322
; PRIOR FILING DATE: 2000-02-17
; NUMBER OF SEQ ID NOS: 19025
; SOFTWARE: PatentIn Ver. 2.1

```



```
; SEQ ID NO 11210
; LENGTH: 352
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-917-503-11210

Query Match      43.4%; Score 46; DB 6; Length 352;
Best Local Similarity 50.0%; Pred. No. 1.3e+02;
Matches 8; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

Qy      2 CTKEGVLLKGKREEE 17
Db      121 CSAGGVFLNGKTDDE 136

RESULT 32
US-11-443-428A-784416
; Sequence 784416, Application US/11443428A
; Publication No. US2007008334A1
; GENERAL INFORMATION:
; APPLICANT: Mintz, Liat
; APPLICANT: Xie, Hanging
; APPLICANT: Dahari, Dvir
; APPLICANT: Levanon, Erez
; APPLICANT: Freilich, Shiri
; APPLICANT: Beck, Nili
; APPLICANT: Zhu, Wei-Yong
; APPLICANT: Wasserman, Alon
; APPLICANT: Heremesh, Chen
; APPLICANT: Azar, Idit
; APPLICANT: Bernstein, Jeanne
; TITLE OF INVENTION: METHODS AND SYSTEMS USEFUL FOR ANNOTATING BIOMOLECULAR SEQUENCES
; FILE REFERENCE: 02/23929
; CURRENT APPLICATION NUMBER: US/11/443,428A
; CURRENT FILING DATE: 2006-05-31
; NUMBER OF SEQ ID NOS: 1034312
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 784416
; LENGTH: 495
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-443-428A-784416

Query Match      43.4%; Score 46; DB 7; Length 495;
Best Local Similarity 50.0%; Pred. No. 1.9e+02;
Matches 8; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

Qy      2 CTKEGVLLKGKREEE 17
Db      264 CSAGGVFLNGKTDDE 279

RESULT 33
US-11-090-997-1876
; Sequence 1876, Application US/11090997
; Publication No. US20060216722A1
; GENERAL INFORMATION:
; APPLICANT: Betsholtz, Christer et. al.
; TITLE OF INVENTION: Glomerular Expression Profiling
; FILE REFERENCE: 04-1059
; CURRENT APPLICATION NUMBER: US/11/090,997
; CURRENT FILING DATE: 2005-03-25
; NUMBER OF SEQ ID NOS: 2985
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1876
; LENGTH: 601
; TYPE: PRT
; ORGANISM: Mus musculus
US-11-090-997-1876

Query Match      43.4%; Score 46; DB 7; Length 601;
Best Local Similarity 53.3%; Pred. No. 2.3e+02;
Matches 8; Conservative 3; Mismatches 4; Indels 0; Gaps 0;
```

```
Qy      6 GVLLKGGKREEEKPF 20
Db      497 GVLIQGGKHKREKNVF 511

RESULT 34
US-11-090-997-1882
; Sequence 1882, Application US/11090997
; Publication No. US20060216722A1
; GENERAL INFORMATION:
; APPLICANT: Betsholtz, Christer et. al.
; TITLE OF INVENTION: Glomerular Expression Profiling
; FILE REFERENCE: 04-1059
; CURRENT APPLICATION NUMBER: US/11/090,997
; CURRENT FILING DATE: 2005-03-25
; NUMBER OF SEQ ID NOS: 2985
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1882
; LENGTH: 873
; TYPE: PRT
; ORGANISM: Mus musculus
US-11-090-997-1882

Query Match      43.4%; Score 46; DB 7; Length 873;
Best Local Similarity 53.3%; Pred. No. 3.5e+02;
Matches 8; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy      6 GVLLKGGKREEEKPF 20
Db      473 GVLIQGGKHKREKNVF 487

RESULT 35
US-11-090-997-1880
; Sequence 1880, Application US/11090997
; Publication No. US20060216722A1
; GENERAL INFORMATION:
; APPLICANT: Betsholtz, Christer et. al.
; TITLE OF INVENTION: Glomerular Expression Profiling
; FILE REFERENCE: 04-1059
; CURRENT APPLICATION NUMBER: US/11/090,997
; CURRENT FILING DATE: 2005-03-25
; NUMBER OF SEQ ID NOS: 2985
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1880
; LENGTH: 876
; TYPE: PRT
; ORGANISM: Mus musculus
US-11-090-997-1880

Query Match      43.4%; Score 46; DB 7; Length 876;
Best Local Similarity 53.3%; Pred. No. 3.5e+02;
Matches 8; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy      6 GVLLKGGKREEEKPF 20
Db      474 GVLIQGGKHKREKNVF 488

RESULT 36
US-11-090-997-1878
; Sequence 1878, Application US/11090997
; Publication No. US20060216722A1
; GENERAL INFORMATION:
; APPLICANT: Betsholtz, Christer et. al.
; TITLE OF INVENTION: Glomerular Expression Profiling
; FILE REFERENCE: 04-1059
; CURRENT APPLICATION NUMBER: US/11/090,997
; CURRENT FILING DATE: 2005-03-25
; NUMBER OF SEQ ID NOS: 2985
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1878
```

```
; LENGTH: 902
; TYPE: PRT
; ORGANISM: Mus musculus
US-11-090-997-1878

Query Match      43.4%; Score 46; DB 7; Length 902;
Best Local Similarity 53.3%; Pred. No. 3.6e+02;
Matches 8; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY      6 GVLKGGKREKPKF 20
      ||::||| |||
DB      529 GVIIQGGKREKPKF 543

RESULT 37
US-11-090-997-1872
; Sequence 1872, Application US/11090997
; Publication No. US20060216722A1
; GENERAL INFORMATION:
; APPLICANT: Betsholtz, Christer et. al.
; TITLE OF INVENTION: Glomerular Expression Profiling
; FILE REFERENCE: 04-1059
; CURRENT APPLICATION NUMBER: US/11/090,997
; CURRENT FILING DATE: 2005-03-25
; NUMBER OF SEQ ID NOS: 2985
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1872
; LENGTH: 917
; TYPE: PRT
; ORGANISM: Mus musculus
US-11-090-997-1872

Query Match      43.4%; Score 46; DB 7; Length 917;
Best Local Similarity 53.3%; Pred. No. 3.6e+02;
Matches 8; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY      6 GVLKGGKREKPKF 20
      ||::||| |||
DB      497 GVIIQGGKREKPKF 511

RESULT 38
US-11-600-479-6
; Sequence 6, Application US/11600479
; Publication No. US20070082848A1
; GENERAL INFORMATION:
; APPLICANT: Alitalo et al
; TITLE OF INVENTION: VEGF-C OR VEGF-D MATERIALS AND METHODS FOR TREATMENT OF
; FILE REFERENCE: 28967/375648
; CURRENT APPLICATION NUMBER: US/11/600,479
; CURRENT FILING DATE: 2006-11-16
; PRIOR APPLICATION NUMBER: US/10/669,176
; FILE REFERENCE: 2003-09-23
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 6
; LENGTH: 923
; TYPE: PRT
; ORGANISM: Mus musculus
; NAME/KEY: misc feature
; LOCATION: (348)..(410)
; OTHER INFORMATION: Signal Peptide
US-11-600-479-6

Query Match      43.4%; Score 46; DB 7; Length 923;
Best Local Similarity 53.3%; Pred. No. 3.7e+02;
Matches 8; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY      6 GVLKGGKREKPKF 20
      ||::||| |||
DB      497 GVIIQGGKREKPKF 511

; LENGTH: 902
; TYPE: PRT
; ORGANISM: Mus musculus
US-11-090-997-1878

Query Match      43.4%; Score 46; DB 7; Length 902;
Best Local Similarity 53.3%; Pred. No. 3.6e+02;
Matches 8; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY      6 GVLKGGKREKPKF 20
      ||::||| |||
DB      529 GVIIQGGKREKPKF 543

RESULT 39
US-11-090-997-1874
; Sequence 1874, Application US/11090997
; Publication No. US20060216722A1
; GENERAL INFORMATION:
; APPLICANT: Betsholtz, Christer et. al.
; TITLE OF INVENTION: Glomerular Expression Profiling
; FILE REFERENCE: 04-1059
; CURRENT APPLICATION NUMBER: US/11/090,997
; CURRENT FILING DATE: 2005-03-25
; NUMBER OF SEQ ID NOS: 2985
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1874
; LENGTH: 934
; TYPE: PRT
; ORGANISM: Mus musculus
US-11-090-997-1874

Query Match      43.4%; Score 46; DB 7; Length 934;
Best Local Similarity 53.3%; Pred. No. 3.7e+02;
Matches 8; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY      6 GVLKGGKREKPKF 20
      ||::||| |||
DB      529 GVIIQGGKREKPKF 543

RESULT 40
US-11-443-428A-784415
; Sequence 784415, Application US/11443428A
; Publication No. US20070083334A1
; GENERAL INFORMATION:
; APPLICANT: Mintz, Liat
; APPLICANT: Xie, Hanging
; APPLICANT: Dahari, Dvir
; APPLICANT: Levanon, Erez
; APPLICANT: Freilich, Shiri
; APPLICANT: Beck, Nili
; APPLICANT: Zhu, Wei-Yong
; APPLICANT: Wasserman, Alon
; APPLICANT: Hermesh, Chen
; APPLICANT: Azar, Idit
; APPLICANT: Bernstein, Jeanne
; TITLE OF INVENTION: METHODS AND SYSTEMS USEFUL FOR ANNOTATING BIOMOLECULAR SEQUENCES
; FILE REFERENCE: 02/23929
; CURRENT APPLICATION NUMBER: US/11/443,428A
; CURRENT FILING DATE: 2006-05-31
; NUMBER OF SEQ ID NOS: 1034312
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 784415
; LENGTH: 1044
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-443-428A-784415

Query Match      43.4%; Score 46; DB 7; Length 1044;
Best Local Similarity 50.0%; Pred. No. 4.2e+02;
Matches 8; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

QY      2 CTKEGVLLKGGKREEE 17
      |::|||::|
DB      264 CSAGGVFLNGKTKDDE 279

RESULT 41
US-11-598-148-242
; Sequence 242, Application US/11598148
; Publication No. US20070141652A1
; GENERAL INFORMATION:
; APPLICANT: Zheng, Yixian
; APPLICANT: Tsai, Ming-Ying
```

```
; TITLE OF INVENTION: Isolation of the Mitotic Spindle Matrix and Its Methods of Use
; FILE REFERENCE: 056100-5058-US
; CURRENT APPLICATION NUMBER: US/11/598,148
; CURRENT FILING DATE: 2006-11-13
; PRIOR APPLICATION NUMBER: US 60/735,168
; PRIOR FILING DATE: 2005-11-10
; PRIOR APPLICATION NUMBER: US 60/781,738
; PRIOR FILING DATE: 2006-03-14
; PRIOR APPLICATION NUMBER: US 60/794,099
; PRIOR FILING DATE: 2006-04-24
; NUMBER OF SEQ ID NOS: 684
; SOFTWARE: PatentIn version 3.4
; SEQ ID NO 242
; LENGTH: 1044
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-598-148-242

Query Match      43.4%; Score 46; DB 7; Length 1044;
Best Local Similarity 50.0%; Pred. No. 4.2e+02;
Matches      8; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

Qy      2 CTKEGVLLKGGKREEE 17
Db      264 CSAGGVFLNGGKTDD 279

RESULT 42
US-11-443-428A-784413
; Sequence 784413, Application US/11/443428A
; Publication No. US2007008334A1
; GENERAL INFORMATION:
; APPLICANT: Mintz, Liat
; APPLICANT: Xie, Hangqing
; APPLICANT: Dahari, Dvir
; APPLICANT: Levanon, Erez
; APPLICANT: Freilich, Shiri
; APPLICANT: Beck, Nili
; APPLICANT: Zhu, Wei-Yong
; APPLICANT: Wasserman, Alon
; APPLICANT: Hermesh, Chen
; APPLICANT: Azar, Idit
; APPLICANT: Bernstein, Jeanne
; TITLE OF INVENTION: METHODS AND SYSTEMS USEFUL FOR ANNOTATING BIOMOLECULAR SEQUENCES
; FILE REFERENCE: 02/23929
; CURRENT APPLICATION NUMBER: US/11/443,428A
; CURRENT FILING DATE: 2006-05-31
; NUMBER OF SEQ ID NOS: 1034312
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 784413
; LENGTH: 1075
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-443-428A-784413

Query Match      43.4%; Score 46; DB 7; Length 1075;
Best Local Similarity 50.0%; Pred. No. 4.3e+02;
Matches      8; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

Qy      2 CTKEGVLLKGGKREEE 17
Db      295 CSAGGVFLNGGKTDD 310

RESULT 43
US-11-520-715-37008
; Sequence 37008, Application US/11/520715
; Publication No. US20070011783A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
```

```
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/11/520,715
; CURRENT FILING DATE: 2006-09-14
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 37008
; LENGTH: 107
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURES:
; OTHER INFORMATION: Clone ID: LIB143-002-F10_FLI.pep
US-11-520-715-37008

Query Match      42.5%; Score 45; DB 7; Length 107;
Best Local Similarity 52.9%; Pred. No. 55;
Matches      9; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

Qy      3 TKEGVLLKGGKREEEKP 19
Db      7 TKEGVLLKGGKREEEKP 23

RESULT 44
US-11-614-840-22
; Sequence 22, Application US/11/614840
; Publication No. US20070099837A1
; GENERAL INFORMATION:
; APPLICANT: Deisher, Theresa A.
; APPLICANT: Conklin, Darrell C.
; TITLE OF INVENTION: METHODS OF INCREASING CARTILAGE DEPOSITION USING FGF HOMOLOGS
; FILE REFERENCE: 96-20C8
; CURRENT APPLICATION NUMBER: US/11/614,840
; CURRENT FILING DATE: 2006-12-21
; PRIOR APPLICATION NUMBER: 10/854,485
; PRIOR FILING DATE: 2004-05-26
; PRIOR APPLICATION NUMBER: 10/315,431
; PRIOR FILING DATE: 2002-12-09
; PRIOR APPLICATION NUMBER: 10/081,347
; PRIOR FILING DATE: 2002-02-21
; PRIOR APPLICATION NUMBER: 09/634,318
; PRIOR FILING DATE: 2000-08-09
; PRIOR APPLICATION NUMBER: 09/613,708
; PRIOR FILING DATE: 2000-07-11
; PRIOR APPLICATION NUMBER: 09/574,750
; PRIOR FILING DATE: 2000-05-18
; PRIOR APPLICATION NUMBER: 09/229,947
; PRIOR FILING DATE: 1999-01-13
; PRIOR APPLICATION NUMBER: 08/951,822
; PRIOR FILING DATE: 1997-10-16
; PRIOR APPLICATION NUMBER: 60/028,646
; PRIOR FILING DATE: 1996-10-16
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 22
; LENGTH: 168
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-614-840-22

Query Match      42.5%; Score 45; DB 7; Length 168;
Best Local Similarity 50.0%; Pred. No. 88;
Matches      8; Conservative 4; Mismatches 4; Indels 0; Gaps 0;

Qy      4 KEGVLLKGGKREEEKP 19
Db      117 KEGVLLKGGKREEEKP 132

RESULT 45
US-11-443-428A-926139
```

; Sequence 926139, Application US/11443428A
; Publication No. US20070083334A1
; GENERAL INFORMATION:
; APPLICANT: Mintz, Liat
; APPLICANT: Xie, Hanqing
; APPLICANT: Dahari, Dvir
; APPLICANT: Levanon, Erez
; APPLICANT: Freilich, Shiri
; APPLICANT: Beck, Nili
; APPLICANT: Zhu, Wei-Yong
; APPLICANT: Wasserman, Alon
; APPLICANT: Hermesh, Chen
; APPLICANT: Azar, Idit
; APPLICANT: Bernstein, Jeanne
; TITLE OF INVENTION: METHODS AND SYSTEMS USEFUL FOR ANNOTATING BIOMOLECULAR SEQUENCES
; FILE REFERENCE: 02/23929
; CURRENT APPLICATION NUMBER: US/11/443,428A
; CURRENT FILING DATE: 2006-05-31
; NUMBER OF SEQ ID NOS: 1034312
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 926139
; LENGTH: 191
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-443-428A-926139

Query Match 42.5%; Score 45; DB 7; Length 191;
Best Local Similarity 50.0%; Pred. No. 1e+02;
Matches 9; Conservative 4; Mismatches 5; Indels 0; Gaps 0;

QY 1 LCTKEGVLLKGKREK 18
DB 126 LCQEEGEGEGEGEE 143

RESULT 46

US-10-703-032-130072
; Sequence 130072, Application US/10703032
; Publication No. US2007004471A1
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Andersen, Scott E.
; APPLICANT: Byrum, Joseph R.
; APPLICANT: Conner, Timothy W.
; APPLICANT: Cao, Yongwei
; APPLICANT: Masucci, James D.
; APPLICANT: Zhou, Yihua
; TITLE OF INVENTION: Nucleic Acid Molecules And Other Molecules Associated with
; FILE REFERENCE: 38-21(53374)B
; CURRENT APPLICATION NUMBER: US/10/703,032
; CURRENT FILING DATE: 2003-11-06
; PRIOR APPLICATION NUMBER: 10/020,338
; FILING DATE: 2001-12-12
; NUMBER OF SEQ ID NOS: 211164
; SEQ ID NO 130072
; LENGTH: 262
; TYPE: PRT
; ORGANISM: Triticum aestivum
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_TA_24490.pep
US-10-703-032-130072

Query Match 42.5%; Score 45; DB 6; Length 262;
Best Local Similarity 53.3%; Pred. No. 1.4e+02;
Matches 8; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

QY 4 KEGVLLKGKREK 18
DB 63 EAGVGQGRREK 77

RESULT 47

US-10-953-349-38192
; Sequence 38192, Application US/10953349
; Publication No. US20060107345A1
; GENERAL INFORMATION:
; APPLICANT: ALEXANDROV, Nikolai et al.
; TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
; FILE REFERENCE: 2750-1579PUS2
; CURRENT APPLICATION NUMBER: US/10/953,349
; CURRENT FILING DATE: 2004-09-30
; NUMBER OF SEQ ID NOS: 40252
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 38192
; LENGTH: 360
; TYPE: PRT
; ORGANISM: Zea mays subsp. mays
US-10-953-349-38192

Query Match 42.5%; Score 45; DB 6; Length 360;
Best Local Similarity 68.8%; Pred. No. 2e+02;
Matches 11; Conservative 1; Mismatches 0; Indels 4; Gaps 1;

QY 4 KEG----VLLKGKRE 15
DB 4 KEGGVVLLRGKRE 19

RESULT 48

US-10-953-349-38191
; Sequence 38191, Application US/10953349
; Publication No. US20060107345A1
; GENERAL INFORMATION:
; APPLICANT: ALEXANDROV, Nikolai et al.
; TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
; FILE REFERENCE: 2750-1579PUS2
; CURRENT APPLICATION NUMBER: US/10/953,349
; CURRENT FILING DATE: 2004-09-30
; NUMBER OF SEQ ID NOS: 40252
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 38191
; LENGTH: 451
; TYPE: PRT
; ORGANISM: Zea mays subsp. mays
US-10-953-349-38191

Query Match 42.5%; Score 45; DB 6; Length 451;
Best Local Similarity 68.8%; Pred. No. 2.5e+02;
Matches 11; Conservative 1; Mismatches 0; Indels 4; Gaps 1;

QY 4 KEG----VLLKGKRE 15
DB 95 KEGGVVLLRGKRE 110

RESULT 49

US-11-520-715-51681
; Sequence 51681, Application US/11520715
; Publication No. US20070011783A1
; GENERAL INFORMATION:
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E.
; APPLICANT: Tabaska, Jack E.
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/11/520,715
; CURRENT FILING DATE: 2006-09-14
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 51681

```
; LENGTH: 457
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: 700267284_FLI.pep
US-11-520-715-51681

Query Match      42.5%; Score 45; DB 7; Length 457;
Best Local Similarity 68.8%; Pred. NO. 2.5e+02;
Matches 11; Conservative 1; Mismatches 0; Indels 4; Gaps 1;

Qy      4 KEG----VLLKGGKRE 15
      ||| |||:||||
Db      101 KEGGVIVLLRGGKRE 116

RESULT 50
US-11-520-715-46783
; Sequence 46783, Application US/11520715
; Publication No. US20070011783A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/11/520,715
; CURRENT FILING DATE: 2006-09-14
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 46783
; LENGTH: 458
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: 700614637_FLI.pep
US-11-520-715-46783

Query Match      42.5%; Score 45; DB 7; Length 458;
Best Local Similarity 68.8%; Pred. NO. 2.5e+02;
Matches 11; Conservative 1; Mismatches 0; Indels 4; Gaps 1;

Qy      4 KEG----VLLKGGKRE 15
      ||| |||:||||
Db      102 KEGGVIVLLRGGKRE 117

Search completed: July 12, 2007, 02:03:14
Job time : 64 secs
```